

**INSTALLATION RESTORATION
PROGRAM (IRP) ADDENDUM SITE
INVESTIGATION REPORT
FOR IRP SITE NO.1**

**VOLUME II
APPENDICES A-E**

**101st AIR CONTROL SQUADRON AND
MASSACHUSETTS AIR NATIONAL GUARD
WORCESTER AIR NATIONAL GUARD STATION
WORCESTER, MASSACHUSETTS**

FEBRUARY 1996



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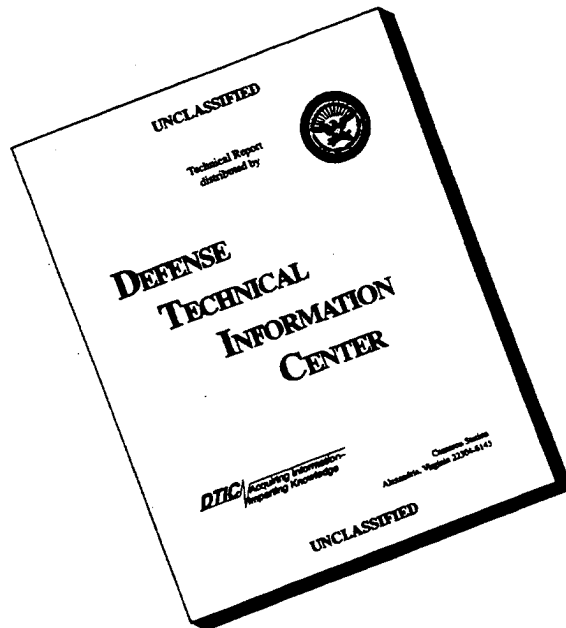
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FEBRUARY 1996

Prepared For

**HQ ANG/CEVR
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Prepared By
















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APPENDIX A
BORING LOGS

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KEY TO BORING LOG SYMBOLS

UNIFIED SOIL CLASSIFICATION SYSTEM - ASTM D2487

| MAJOR DIVISIONS | | | SYMBOL/ GRAPHIC | DESCRIPTIONS |
|--|---|---------------------------------------|--|---|
| COARSE-GRAINED SOILS (>50% Smaller Than #200 Sieve) | GRAVELS (More than 50% of coarse fraction is larger than the #4 sieve size.) | Clean gravels with little or no fines | GW  | Well-Graded Gravels, Gravel - Sand Mixtures |
| | | | GP  | Poorly Graded Gravels, Gravels - Sand Mixtures |
| | | Gravels with over 12% fines | GM  | Silty Gravels, Poorly Graded Gravel-Sand-Clay Mixtures |
| | | | GC  | Clayey Gravels, Poorly Graded Gravel-Sand-Clay Mixtures |
| | SANDS (More than 50% of coarse fraction is smaller than the #4 sieve size.) | Clean sands with little or no fines | SW  | Well-Graded Sands, Gravelly Sands |
| | | | SP  | Poorly Graded Sands, Gravelly Sands |
| | | Sands with over 12% fines | SM  | Silty Sands, Poorly Graded Sand-Silt Mixtures |
| | | | SC  | Clayey Sands, Poorly Graded Sand-Clay Mixtures |
| FINE-GRAINED SOILS (>50% Smaller Than #200 Sieve) | SILTS AND CLAYS (Liquid limit less than 50) | | ML  | Inorganic Silts and Very Fine Sands, Silty or Clayey Fine Sands |
| | | | CL  | Inorganic Clays of Low to Medium Plasticity; Gravelly, Sandy or Silty Clays; Lean Clays |
| | | | OL  | Organic Clays and Organic Silty Clays of Low Plasticity |
| | SILTS AND CLAYS (Liquid limit greater than 50) | | MH  | Inorganic Silts, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silts |
| | | | CH  | Inorganic Clays of High Plasticity Fat Clays |
| | | | OH  | Organic Clays of Medium to High Plasticity, Organic Silts |
| HIGHLY ORGANIC SOILS | | | Pt  | Peat and Other Highly Organic Soils |



Sample retained for on-site screening.



Sample prepared for laboratory analysis.



Water Table Level.

PID Photo-Ionization Detector readings (ppm).

ND Parameter Not Detected

NA Measurement Not Applicable, Groundwater Not Detected

- No Measurement Performed

NR No Sample Recovery



Asphaltic Concrete



Portland Cement Concrete



Cement Grout



Boulders or Bedrock

FIGURE B.1

FORMS\KEYLOG2

KEY TO BORING LOG SYMBOLS
Massachusetts Air National Guard
Worcester, Massachusetts

OPTech
OPERATIONAL TECHNOLOGIES
CORPORATION

JUNE 1995

Worcester, Massachusetts

OPERATIONAL TECHNOLOGIES
CORPORATION

| | | | |
|-------------------------|--|---------------------------|---------------------------------|
| Project No.: | 1315-199 | Sampling Method: | California-Style Sampler |
| Logged By: | Earl E. Parker II | Depth Drilled: | 10.0 ft. BLS |
| Drilling Co.: | Technical Drilling Services (TDS) | Depth To Water: | Not Encountered |
| Driller: | Peter Newsham | Date Measured: | NA |
| Date Drilled: | 04/04/95 | Surface Elevation: | 764.5 ft. BLS |
| Drilling Method: | Hollow-Stem Auger | | |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS | FIELD SCREENING | | | |
|----------------|----------|------------|---------|---------|--|-----------------|---------------|--|--|
| | | | | | | PID (ppm) | ATHA (ppm) | | |
| | | | | | Asphalt. | | | | |
| 10 18 50 | | 100 | | | Brown to dark gray, very poorly sorted sand and coarse sand, little silt, loose, slightly moist (fill material). | 3.0 | 13.0 | | |
| . | | | | | | - | - | | |
| . | | | | | | | | | |
| 5 | | | | | | - | - | | |
| . | | | | | | | | | |
| . | | | | | | | | | |
| 23 28 31 | | 65 | | | Brown to dark gray, medium to coarse sand, loose to slightly cohesive, silty sand, slightly moist, petroleum odor. | 230 | - | | |
| . | | | | | | - | - | | |
| 10 | | | | | Boring Terminated at 10.0 ft. BLS. | | | | |

Worcester, Massachusetts

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| | | | |
|-------------------------|--|---------------------------|---------------------------------|
| Project No.: | 1315-199 | Sampling Method: | California-Style Sampler |
| Logged By: | Earl E. Parker II | Depth Drilled: | 6.0 ft. BLS |
| Drilling Co.: | Technical Drilling Services (TDS) | Depth To Water: | Not Encountered |
| Driller: | Peter Newsham | Date Measured: | NA |
| Date Drilled: | 04/04/95 | Surface Elevation: | 767.5 ft. BLS |
| Drilling Method: | Hollow-Stem Auger | | |

[illegible]

Worcester, Massachusetts

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 01-017BH

| | |
|------------------|-----------------------------------|
| Project No.: | 1315-199 |
| Logged By: | Earl E. Parker II |
| Drilling Co.: | Technical Drilling Services (TDS) |
| Driller: | Peter Newsham |
| Date Drilled: | 04/04/95 |
| Drilling Method: | Hollow-Stem Auger |

| | |
|--------------------|--------------------------|
| Sampling Method: | California-Style Sampler |
| Depth Drilled: | 7.0 ft. BLS |
| Depth To Water: | Not Encountered |
| Date Measured: | NA |
| Surface Elevation: | 768.9 ft. BLS |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS | FIELD SCREENING | | | |
|----------------|--------------|------------|---------|---------|--|-----------------|---------------|--|--|
| | | | | | | PID (ppm) | ATHA (ppm) | | |
| | | | | | Asphalt. | | | | |
| 19 30 44 | | 90 | | | Gray to brown fill material, coarse to medium sand, black charcoal fill in upper part, loose to slightly cohesive, slightly moist, gravelly. | 6.2 | 14.7 | | |
| | | | | | | - | - | | |
| 5 | 5 6 50 | 65 | | | Brown to dark brown sand and silty sand, coarse sand and gravel and silt, slightly cohesive and moist. | 6.8 | 14.7 | | |
| 10 | | | | | Boring Terminated at 7.0 ft. BLS. | | | | |

Worcester, Massachusetts

O P T E C H
OPERATIONAL TECHNOLOGIES
CORPORATION

LOG OF BORING 01-019BH

| | |
|-------------------------|--|
| Project No.: | 1315-199 |
| Logged By: | Earl E. Parker II |
| Drilling Co.: | Technical Drilling Services (TDS) |
| Driller: | Peter Newsham |
| Date Drilled: | 04/05/95 |
| Drilling Method: | Hollow-Stem Auger |

| | |
|--------------------|--------------------------|
| Sampling Method: | California-Style Sampler |
| Depth Drilled: | 3.3 ft. BLS |
| Depth To Water: | Not Encountered |
| Date Measured: | NA |
| Surface Elevation: | 769.7 ft. BLS |

[illegible]

Worcester, Massachusetts

O P T E C H

**OPERATIONAL TECHNOLOGIES
CORPORATION**

LOG OF BORING 01-020BH

| | |
|--------------------|--------------------------|
| Sampling Method: | California-Style Sampler |
| Depth Drilled: | 3.0 ft. BLS |
| Depth To Water: | Not Encountered |
| Date Measured: | NA |
| Surface Elevation: | 769.3 ft. BLS |

[illegible]

Worcester, Massachusetts

**OPERATIONAL TECHNOLOGIES
CORPORATION**

| | | | |
|-------------------------|--|---------------------------|---------------------------------|
| Project No.: | 1315-199 | Sampling Method: | California-Style Sampler |
| Logged By: | Earl E. Parker II | Depth Drilled: | 2.5 ft. BLS |
| Drilling Co.: | Technical Drilling Services (TDS) | Depth To Water: | Not Encountered |
| Driller: | Peter Newsham | Date Measured: | NA |
| Date Drilled: | 04/05/95 | Surface Elevation: | 770.2 ft. BLS |
| Drilling Method: | Hollow-Stem Auger | | |

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| | | | |
|-------------------------|-----------------------------------|---------------------------|--------------------------|
| Project No.: | 1315-199 | Sampling Method: | California-Style Sampler |
| Logged By: | Earl E. Parker II | Depth Drilled: | 2.0 ft. BLS |
| Drilling Co.: | Technical Drilling Services (TDS) | Depth To Water: | Not Encountered |
| Driller: | Peter Newsham | Date Measured: | NA |
| Date Drilled: | 04/05/95 | Surface Elevation: | 775.7 ft. BLS |
| Drilling Method: | Hollow-Stem Auger | | |

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APPENDIX B

FIELD GC SCREENING RESULTS

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Table B.1
Addendum SI Field GC Screening Results
Worcester Air National Guard Station, Worcester, Massachusetts

| Drilling Locations/Intervals | Sample Weight (gr) | Field GC Data | | | | | Total BTEX (ppb) |
|---|--------------------------|------------------|------------------|-----------------------|---------------------|-------------------|------------------------|
| | | Benzene (ppb) | Toluene (ppb) | Ethylbenzene (ppb) | m,p-Xylene (ppb) | o-Xylene (ppb) | |
| <u>01-016BH</u> 0.5 - 2.0 7.5 - 9.0 | 10 10 | 1 O/R | 4 O/R | 4 O/R | 8 O/R | 3 O/R | 20 N/A |
| <u>01-017BH</u> 0.5 - 2.0 5.5 - 7.0 | 10 10 | 4 5 | 1 1 | ND 5 | ND 4 | ND ND | 5 15 |
| <u>01-018BH</u> 0.5 - 2.0 5.0 - 6.0 | 10 10 | ND 6 | ND 1 | ND ND | ND ND | ND ND | ND 7 |
| <u>01-019BH</u> 0.5 - 2.0 2.0 - 3.5 | 10 10 | 3 4 | 3 1 | 2 1 | 10 3 | 9 ND | 27 9 |
| <u>01-020BH</u> 0.5 - 2.0 | 10 | ND | 1 | 2 | 10 | ND | 13 |
| <u>01-021BH</u> 0.5 - 1.0 | 10 | 9 | 1 | ND | ND | ND | 10 |
| <u>01-022BH</u> 0.5 - 2.0 | 10 | 4 | 9 | 9 | 56 | 28 | 106 |
| <u>01-023BH</u> 0.5 - 1.5 | 10 | 9 | 2 | 3 | 9 | 6 | 29 |
| <u>01-024BH</u> 0.5 - 1.5 | 10 | 3 | 2 | 2 | 11 | 6 | 24 |

gr - grams.

ppb - parts per billion.

ND - Not Detected.

O/R - Analyte Peaks outside the calibration range of the GC. Peak concentrations not available.

N/A - Information is not available.

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FIELD GC DATA SUMMARY

SITE: Worcester ANG S
GAIN: 1000
CARRIER GAS FLOW: 12 cc/min

INJECTION VOLUME: 100 μ l
GC OVEN TEMP: 40°C
ANALYSIS TIME: 500 sec

[illegible][illegible]

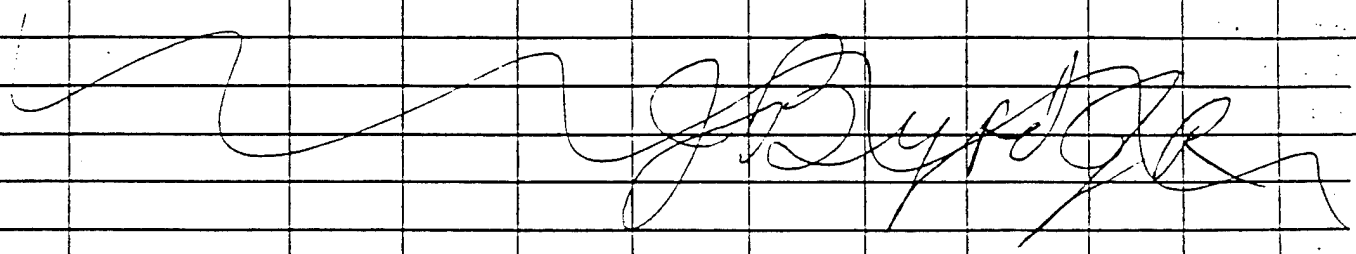
OPERATOR: g Byrd Jr

DATE: 4 Apr 195

FIELD GC DATA SUMMARY

SITE: Worcester RINGS
 GAIN: 1,000
 CARRIER GAS FLOW: 12 μ l/min

INJECTION VOLUME: 10 μ l
 GC OVEN TEMP: 40°C
 ANALYSIS TIME: 500 sec

| Analysis No. | Boring | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) | | | | | | Additional Analytes | |
|--|-----------|---------------------------|---------------------|----------------------|---------|--------------|------------|----------|-----------|---------------------|--|
| | | | | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | TOTAL BTX | | |
| 1 | 100 PPB | | | 100 | 100 | 100 | 200 | 100 | 600 | | |
| 2 | 1 PPM | | | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 6,000 | | |
| 3 | 10 PPM | | | 10,000 | 10,000 | 10,000 | 20,000 | 10,000 | 60,000 | | |
| 4 | AIR BLANK | | | 6 | ND | 7 | 12 | 7 | 32 | | |
| 5 | 01-022 BH | 0.5-2.0 | 10g | 4 | 9 | 9 | 56 | 28 | 106 | | |
| 6 | 01-023 BH | 0.5-2.0 | 10g | 9 | 2 | 3 | 9 | 6 | 29 | | |
| 7 | 01-022 BH | 0.5-2.0 | 10g | 3 | 6 | 3 | 50 | 22 | 84 | | |
| 8 | 01-019 BH | 0.5-2.0 | 10g | 3 | 3 | 2 | 10 | 9 | 27 | | |
| 9 | 01-019 BH | 2.5-4.0 | 10g | 4 | 1 | 1 | 3 | ND | 9 | | |
| 10 | 100 PPB | | | 92 | 83 | 78 | 153 | 76 | 482 | | |
| | RECAL | | | 100 | 100 | 100 | 200 | 100 | 600 | | |
| 11 | AIR BLANK | | | ND | 1 | 4 | 11 | 9 | 25 | | |
| 12 | 01-024 BH | 0.5-2.0 | 10g | 3 | 2 | 2 | 11 | 6 | 24 | | |
| 13 | 100 PPB | | | 93 | 100 | 93 | 201 | 101 | 593 | | |
|  | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Calibration Information | | Analytes | | | | | | | | | |
|-------------------------|----------------|----------|---------|--------------|------------|----------|--|--|--|--|--|
| | | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | | | | | |
| 0.1 ppm | Retention Time | 59.6 | 119.4 | 247.2 | 266.1 | 314.6 | | | | | |
| | Response | 213.7 | 184.1 | 137.2 | 108.8 | 41.1 | | | | | |
| 1 ppm | Retention Time | 60.3 | 120.2 | 247.7 | 266.9 | 315.4 | | | | | |
| | Response | 3261 | 2665 | 2390 | 1388 | 925 | | | | | |
| 10 ppm | Retention Time | 61.2 | 121.7 | 251.2 | 269.6 | 317.8 | | | | | |
| | Response | 21,631 | 21,529 | 20,947 | 16,359 | 5,765 | | | | | |

OPERATOR: J. Byrd Jr.

DATE: 5 April 95

FIELD GC DATA SUMMARY

SITE: Worcester ANG
 GAIN: 1,000
 CARRIER GAS FLOW: 12 gpl/min

INJECTION VOLUME: 100 µl
 GC OVEN TEMP: 40°C
 ANALYSIS TIME: 500 sec

| Analysis No. | Boring | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) | | | | | | Additional Analytes | |
|--------------|-----------|---------------------------|---------------------|------------------------------|---------|---------------|------------|----------|------------|---------------------|--|
| | | | | Benzene | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX | | |
| 1 | 100 PPB | | | 100 | 100 | 100 | 200 | 100 | 600 | | |
| 2 | 1 PPM | | | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 6,000 | | |
| 3 | 10 PPM | | | 10,000 | 10,000 | 10,000 | 20,000 | 10,000 | 60,000 | | |
| 4 | AIR BLANK | | | 2 | 1 | 3 | 7 | ND | 13 | | |
| 5 | 01-016 BH | 0.5-2.0 | 10g | 1 | 4 | 4 | 8 | 3 | 20 | | |
| 6 | 01-016 BH | 7.5-9.0 | 10g | Too many peaks. GC OVER LOAD | | | | | | "25" PEAKS | |
| 7 | 01-016 BH | 2.5-9.0 | 10g | Again Too many peaks | | | | | | DILUTE 2X | |
| 8 | 100 PPB | | | 78 | 73 | 70 | 142 | 58 | 421 | | |
| | RECAL | | | 100 | 100 | 100 | 200 | 100 | 600 | | |
| 9 | AIR BLANK | | | ND | ND | ND | 5 | ND | 5 | | |
| 10 | 01-017 BH | 0.5-2.0 | 10g | 4 | 1 | ND | ND | ND | 5 | | |
| 11 | 01-017 BH | 5.5-7.0 | 10g | 5 | 1 | 5 | 4 | ND | 15 | | |
| 12 | 01-018 BH | 0.5-2.0 | 10g | ND | ND | ND | ND | ND | ND | | |
| 13 | 01-018 BH | 5.0-6.0 | 10g | 6 | 1 | ND | ND | ND | 7 | | |
| 14 | 01-020 BH | 0.5-2.0 | 10g | ND | 1 | 2 | 10 | ND | 13 | | |
| 15 | 100 PPB | | | 94 | 93 | 84 | 167 | 72 | 510 | | |
| | RECAL | | | 100 | 100 | 100 | 200 | 100 | 600 | | |
| 16 | AIR BLANK | | | ND | ND | ND | ND | ND | ND | | |
| 17 | 01-020 BH | 0.5-2.0 | 10g | ND | 1 | ND | 25 | ND | 26 | | |
| 18 | 01-021 BH | 0.5-2.0 | 10g | 9 | 1 | ND | ND | ND | 10 | | |

| Calibration Information | | Analytes | | | | | |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|
| | | Benzene | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | |
| 0.1 ppm | Retention Time | 59.5 | 118.8 | 245.8 | 264.5 | 313.3 | |
| | Response | 214.2 | 170.4 | 136.3 | 106 | 42.79 | |
| 1 ppm | Retention Time | 60.4 | 120.2 | 247.4 | 266.4 | 314.6 | |
| | Response | 3232 | 2762 | 2512 | 1974 | 1005 | |
| 10 ppm | Retention Time | 61.2 | 120.9 | 249.0 | 267.2 | 315.4 | |
| | Response | 18920 | 20283 | 24894 | 19463 | 6871 | |

OPERATOR: J. B. [Signature]

DATE: 4 April 95

ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(X 10 MV)

TIME PRINTED: APR 4,95 09:47
SAMPLE TIME: APR 4,95 09:38

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 30 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 27.78 MVS | 16.8 |
| 2 | UNKNOWN | 142.4 MVS | 18.6 |
| 3 | UNKNOWN | 0.621 MVS | 51.3 |
| 4 | UNKNOWN | 1.909 MVS | 52.5 |
| 5 | UNKNOWN | 214.2 MVS | 59.5 |
| 6 | UNKNOWN | 170.4 MVS | 118.8 |
| 7 | UNKNOWN | 136.3 MVS | 245.8 |
| 8 | UNKNOWN | 106.0 MVS | 264.3 |
| 9 | UNKNOWN | 42.79 MVS | 313.3 |

NOTES

JOE BYRD, JR.
WORCESTER ADD 1315-199
100 PPB BTEX

[illegible]

ANALYSIS #2

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 100 MV)

TIME PRINTED: APR 4,95 10:09

SAMPLE TIME: APR 4,95 10:01

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.100 MVSEC

MIN HEIGHT 0.100 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 27.14 MVS | 17.0 |
| 2 | UNKNOWN | 156.4 MVS | 18.7 |
| 3 | UNKNOWN | 2.338 MVS | 52.2 |
| 4 | BENZENE | 1.508 PPM | 60.4 |
| 5 | UNKNOWN | 0.912 MVS | 94.2 |
| 6 | TOLUENE | 1.620 PPM | 120.2 |
| 7 | UNKNOWN | 1.846 MVS | 216.6 |
| 8 | ETHYLBENZENE | 1.843 PPM | 247.4 |
| 9 | M,P-XYLENE | 3.721 PPM | 266.4 |
| 10 | O-XYLENE | 2.349 PPM | 314.6 |

NOTES

JOE BYRD, JR.
WORCESTER ADD ³⁷1315 199
~~100~~ PPM BTEX
33 M

428

ANALYSIS #3 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 100 MV)

TIME PRINTED: APR 4,95 10:27
SAMPLE TIME: APR 4,95 10:19

METHOD

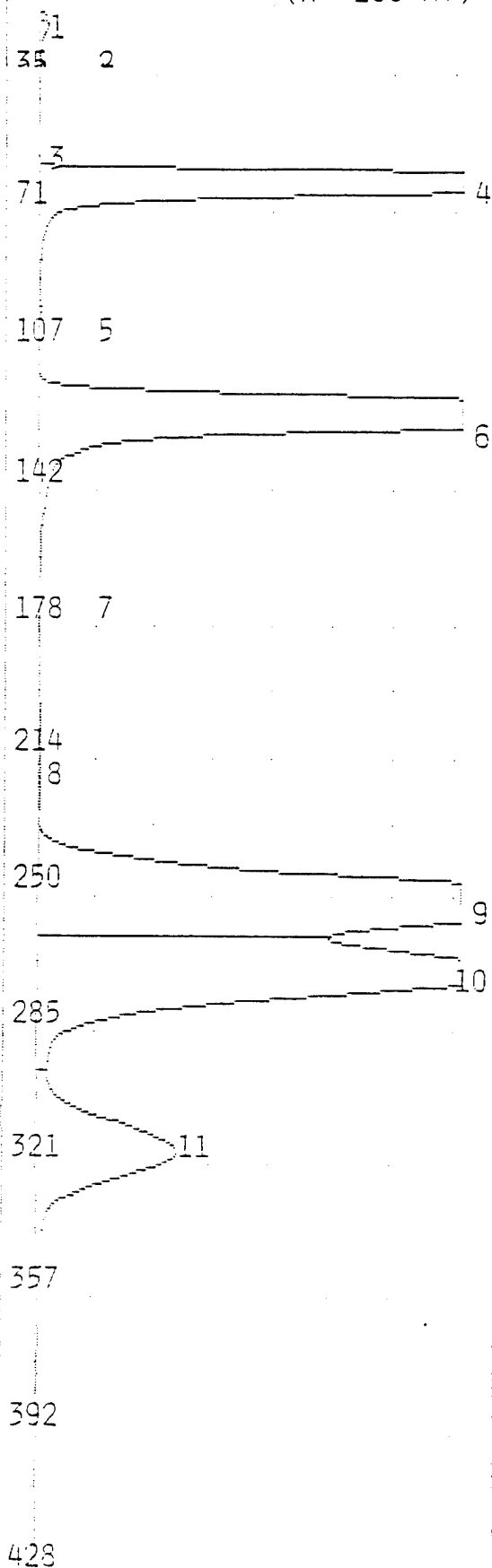
SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 27.37 MVS | 17.0 |
| 2 | UNKNOWN | 174.8 MVS | 18.8 |
| 3 | UNKNOWN | 2.165 MVS | 52.0 |
| 4 | BENZENE | 5.678 PPM | 61.2 |
| 5 | UNKNOWN | 8.906 MVS | 94.2 |
| 6 | TOLUENE | 7.083 PPM | 120.9 |
| 7 | UNKNOWN | 4.139 MVS | 171.0 |
| 8 | UNKNOWN | 11.02 MVS | 214.0 |
| 9 | ETHYLBENZENE | 8.719 PPM | 249.0 |
| 10 | M,P-XYLENE | 18.85 PPM | 267.2 |
| 11 | O-XYLENE | 6.485 PPM | 315.4 |

NOTES

JOE BYRD, JR.
WORCESTER ADD 131 -199
10 PPM BTEX

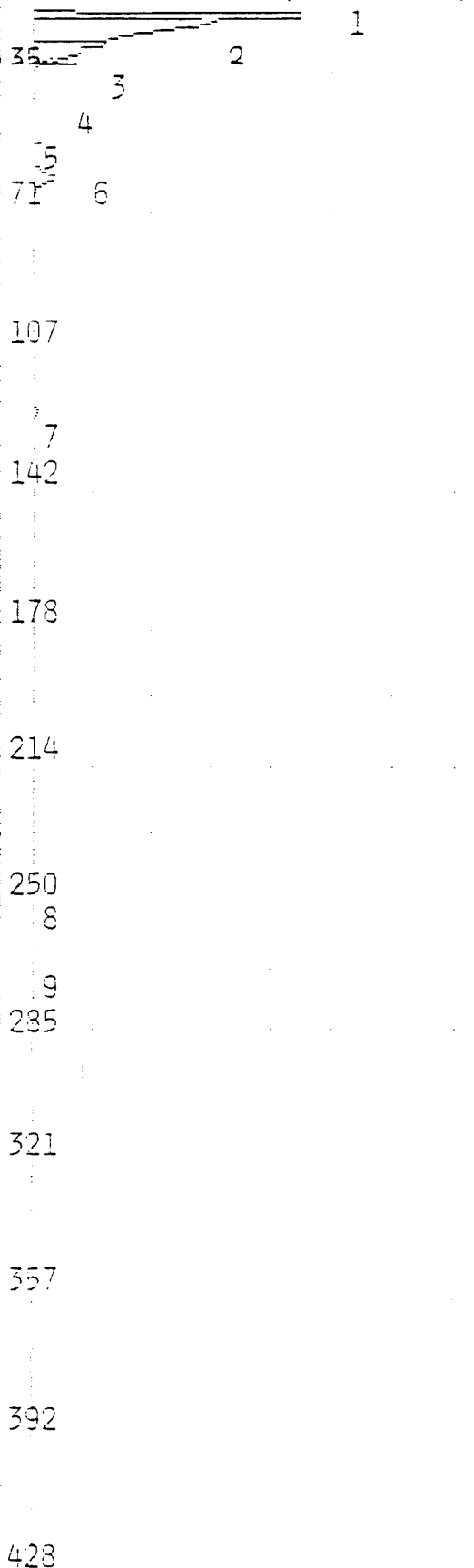


The image shows a document page with extremely faint, illegible text. The text appears to be organized into columns or sections, but the characters are too light to be transcribed accurately. There are some dark spots and artifacts throughout the page, possibly due to scanning quality or damage to the original document.

ANALYSIS #4

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 1000 UV)



TIME PRINTED: APR 4,95 10:45
SAMPLE TIME: APR 4,95 10:36

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 10.97 MVS | 17.2 |
| 2 | UNKNOWN | 21.42 MVS | 19.0 |
| 3 | UNKNOWN | 4.871 MVS | 24.5 |
| 4 | UNKNOWN | 16.86 MVS | 26.5 |
| 5 | UNKNOWN | 5.244 MVS | 52.7 |
| 6 | BENZENE | 1.878 PPB | 60.1 |
| 7 | TOLUENE | 1.283 PPB | 119.8 |
| 8 | ETHYLBENZENE | 3.142 PPB | 248.0 |
| 9 | M,P-XYLENE | 6.685 PPB | 267.4 |

NOTES

JOE BYRD, JR.
WORCESTER ADD 315-199
AIR BLANK

0 1 2 3 4 5
(X 10 MV)

TIME PRINTED: APR 4,95 11:10

SAMPLE TIME: APR 4,95 11:02

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 100.6 MVS | 17.2 |
| 2 | UNKNOWN | 8.795 MVS | 52.1 |
| 3 | BENZENE | 0.659 PPB | 60.1 |
| 4 | TOLUENE | 3.790 PPB | 120.4 |
| 5 | UNKNOWN | 1.971 MVS | 131.0 |
| 6 | UNKNOWN | 1.411 MVS | 224.4 |
| 7 | ETHYLBENZENE | 3.596 PPB | 249.6 |
| 8 | M,P-XYLENE | 8.491 PPB | 268.0 |
| 9 | O-XYLENE | 3.455 PPB | 318.1 |

NOTES

JOE BYRD, JR.
WORCESTER ADD 135-199
01-016BH 0.5-2.0 10G

ANALYSIS #6

10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(x 100 MV)

TIME PRINTED: APR 4,95 11:24

SAMPLE TIME: APR 4,95 11:16

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.100 MVSEC

MIN HEIGHT 0.100 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
|----|---------------|-----------|------|

35

71

107

142

178

214

250

285

321

357

392

428

NOTES

JOE BYRD, JR.

WORCESTER ADD 135-199

01-016BH ~~0.5-2.0~~ 10G

7.5-9.0

ANALYSIS #7 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(X 100 MV)

TIME PRINTED: APR 4,95 11:39

SAMPLE TIME: APR 4,95 11:31

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

PK COMPOUND NAME AREA/CONC R.T.

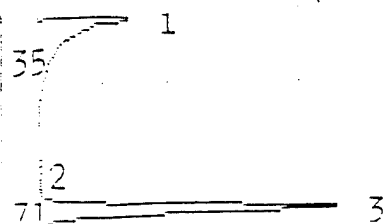
35
71
107
142
178
214
250
285
321
357
392
428

NOTES

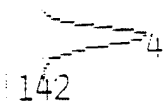
JOE BYRD, JR.
WORCESTER ANG
01-016BH 7.5-9.0 10G
RESHOT 2X DILUTION

ANALYSIS #8

10S+ GC FUNCTION ANALYSIS REPORT

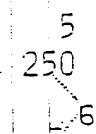
0 2 4 6 8 10
(x 10 MV)

107



178

214



285 7

321
8

357

392

428

TIME PRINTED: APR 4,95 12:07
SAMPLE TIME: APR 4,95 11:58

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 135.0 MVS | 18.3 |
| 2 | UNKNOWN | 4.552 MVS | 51.6 |
| 3 | BENZENE | 77.62 PPB | 62.8 |
| 4 | TOLUENE | 72.67 PPB | 123.8 |
| 5 | UNKNOWN | 3.881 MVS | 226.8 |
| 6 | ETHYLBENZENE | 69.75 PPB | 254.1 |
| 7 | M,P-XYLENE | 141.5 PPB | 273.3 |
| 8 | O-XYLENE | 57.67 PPB | 322.4 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
100 PPB BTEX

ANALYSIS #9

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 1000 UV)

35 2 3 4

71

107

142

178

214

250

5

285

321

357

392

428

TIME PRINTED: APR 4,95 12:25

SAMPLE TIME: APR 4,95 12:17

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

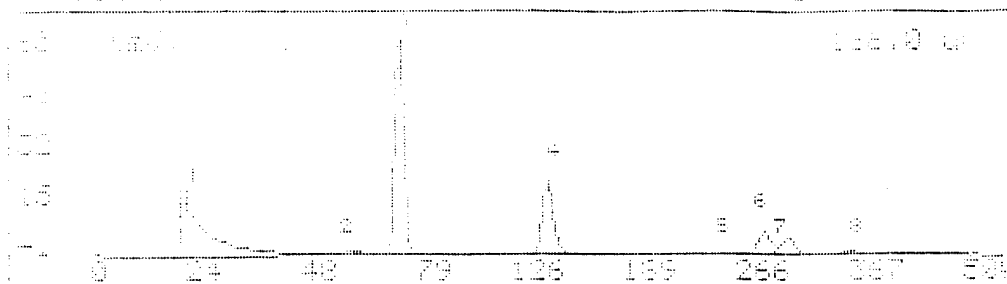
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 8.437 MVS | 17.6 |
| 2 | UNKNOWN | 80.91 MVS | 19.4 |
| 3 | UNKNOWN | 0.320 MVS | 25.0 |
| 4 | UNKNOWN | 4.000 MVS | 51.4 |
| 5 | M,P-XYLENE | 5.332 PPB | 270.4 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
AIR BLANK

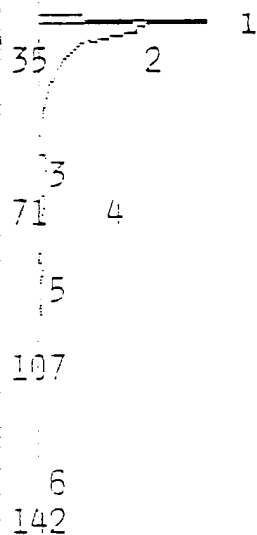
| G.I. Ready | | 100-10 Function | SPR | 4.95 | 12111 |
|---------------|---------|-----------------|-------|-----------|-------|
| Analysis No 0 | | Run at | Day | 4.95 | 12111 |
| Run No | Name | Conc Area | Alarm | Ret. Time | |
| 1 | unknown | 135.0 | MS | 100- | 100.0 |
| 2 | unknown | 4.542 | MS | 100- | 100.0 |
| 3 | unknown | 100.0 | MS | 100- | 100.0 |
| 4 | unknown | 100.0 | MS | 100- | 100.0 |
| 5 | unknown | 100.0 | MS | 100- | 100.0 |
| 6 | unknown | 100.0 | MS | 100- | 100.0 |
| 7 | unknown | 100.0 | MS | 100- | 100.0 |
| 8 | unknown | 100.0 | MS | 100- | 100.0 |
| 9 | unknown | 100.0 | MS | 100- | 100.0 |
| 10 | unknown | 100.0 | MS | 100- | 100.0 |

Detected 8 peaks. 1 100.0 sec



Analysis #10 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(X 10 MV)



TIME PRINTED: APR 4,95 12:37
SAMPLE TIME: APR 4,95 12:29

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 27.71 MVS | 18.1 |
| 2 | UNKNOWN | 90.29 MVS | 20.2 |
| 3 | UNKNOWN | 10.23 MVS | 51.3 |
| 4 | BENZENE | 4.159 PPB | 62.0 |
| 5 | UNKNOWN | 2.496 MVS | 77.6 |
| 6 | TOLUENE | 0.554 PPB | 123.0 |

NOTES

JOE BYRD, JR.
WORCESTER ANG5
01-017BH 0.5-2.0
10G

ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(X 10 MV)

TIME PRINTED: APR 4,95 12:50

SAMPLE TIME: APR 4,95 12:41

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

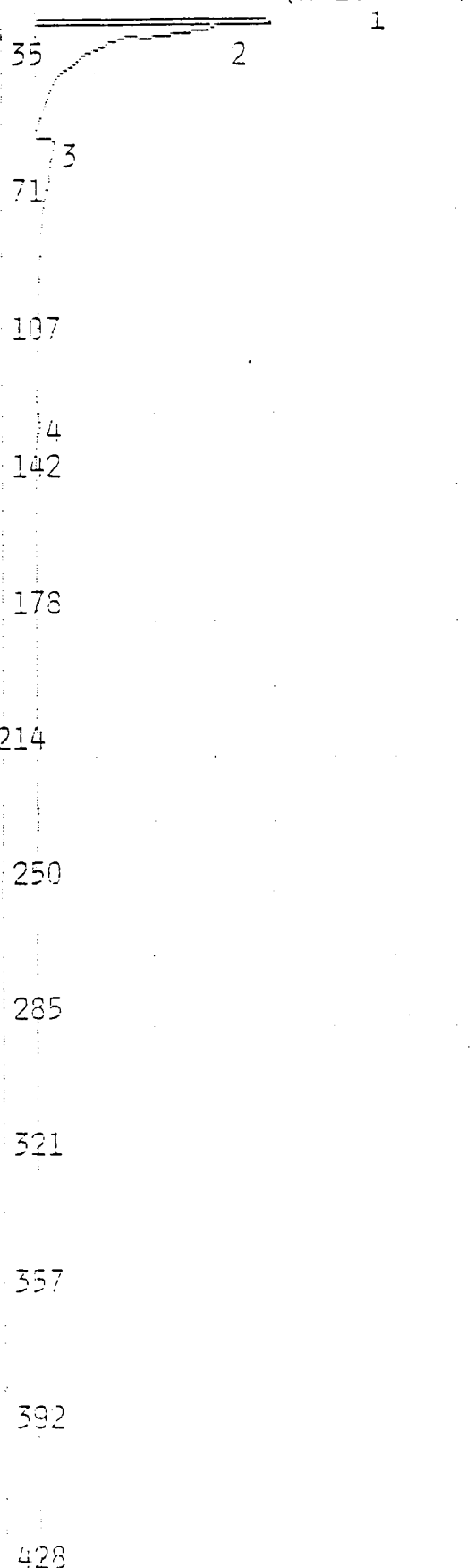
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 29.62 MVS | 18.8 |
| 2 | UNKNOWN | 110.3 MVS | 21.2 |
| 3 | UNKNOWN | 12.48 MVS | 51.2 |
| 4 | BENZENE | 5.112 PPB | 62.8 |
| 5 | UNKNOWN | 2.313 MVS | 78.8 |
| 6 | TOLUENE | 1.265 PPB | 124.5 |
| 7 | ETHYLBENZENE | 4.787 PPB | 228.8 |
| 8 | M,P-XYLENE | 4.266 PPB | 273.3 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-017BH 5.5-7.0
10G

Analysis #12 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20
(x 1000 UV)



TIME PRINTED: APR 4,95 13:16
SAMPLE TIME: APR 4,95 13:08

METHOD

SLOPE UP 1.000 MV/SEC
SLOPE DOWN 3.000 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

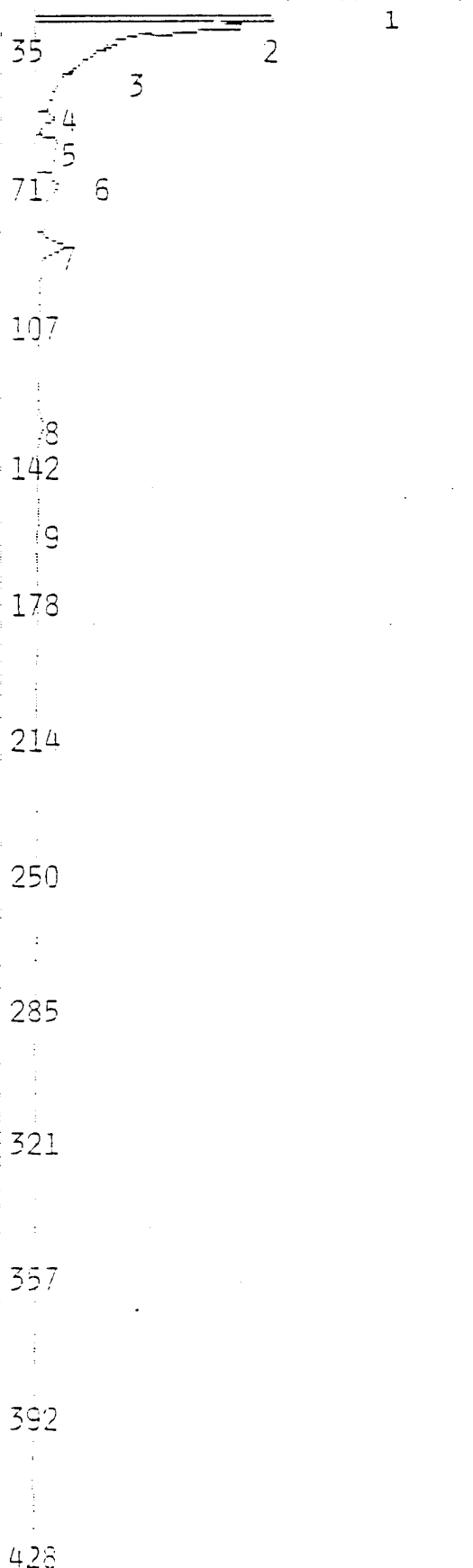
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 23.00 MVS | 18.4 |
| 2 | UNKNOWN | 74.20 MVS | 20.2 |
| 3 | UNKNOWN | 3.148 MVS | 52.0 |
| 4 | TOLUENE | 0.387 PPB | 125.2 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
01-018BH 0.5-2.0
10G

ANALYSIS #13 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20
(x 1000 UV)



TIME PRINTED: APR 4,95 13:47

SAMPLE TIME: APR 4,95 13:39

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 22.26 MVS | 18.4 |
| 2 | UNKNOWN | 88.32 MVS | 20.8 |
| 3 | UNKNOWN | 0.108 MVS | 26.2 |
| 4 | UNKNOWN | 5.129 MVS | 45.6 |
| 5 | UNKNOWN | 11.17 MVS | 51.2 |
| 6 | BENZENE | 5.164 PPB | 63.0 |
| 7 | UNKNOWN | 6.636 MVS | 73.3 |
| 8 | TOLUENE | 1.486 PPB | 124.6 |
| 9 | UNKNOWN | 0.845 MVS | 148.4 |

NOTES

JOE BYRD, JR.
WORCESTER ANG5
01-018BH ~~6.5-2.0~~ 5.0-6.0³
10G

ANALYSIS #14

10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(x 10 MV)

TIME PRINTED: APR 4,95 14:22

SAMPLE TIME: APR 4,95 14:14

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 25.36 MVS | 17.2 |
| 2 | UNKNOWN | 129.6 MVS | 18.7 |
| 3 | UNKNOWN | 20.82 MVS | 51.4 |
| 4 | TOLUENE | 1.354 PPB | 120.9 |
| 5 | UNKNOWN | 1.801 MVS | 221.0 |
| 6 | ETHYLBENZENE | 1.714 PPB | 248.5 |
| 7 | M,P-XYLENE | 9.774 PPB | 267.7 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-020BH 0.5-2.0
10G

ANALYSIS #15

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(X 10 MV)

TIME PRINTED: APR 4,95 14:35

SAMPLE TIME: APR 4,95 14:27

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.100 MVSEC

MIN HEIGHT 0.100 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

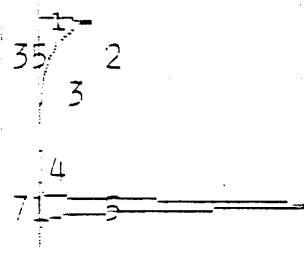
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 0.036 MVS | 16.6 |
| 2 | UNKNOWN | 102.1 MVS | 18.5 |
| 3 | UNKNOWN | 0.849 MVS | 26.4 |
| 4 | UNKNOWN | 0.789 MVS | 51.2 |
| 5 | UNKNOWN | 3.312 MVS | 52.0 |
| 6 | BENZENE | 94.36 PPB | 63.2 |
| 7 | TOLUENE | 92.98 PPB | 124.4 |
| 8 | UNKNOWN | 5.560 MVS | 228.2 |
| 9 | ETHYLBENZENE | 83.80 PPB | 254.9 |
| 10 | M,P-XYLENE | 166.9 PPB | 274.4 |
| 11 | O-XYLENE | 72.46 PPB | 323.7 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
100 PPB BTEX



107

142

178

214

250

285 10

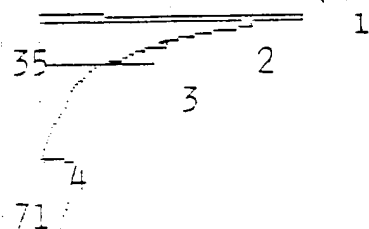
321

357

392

428

0 2 4 6 8 10
(X 1000 UV)



TIME PRINTED: APR 4,95 14:50

SAMPLE TIME: APR 4,95 14:42

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

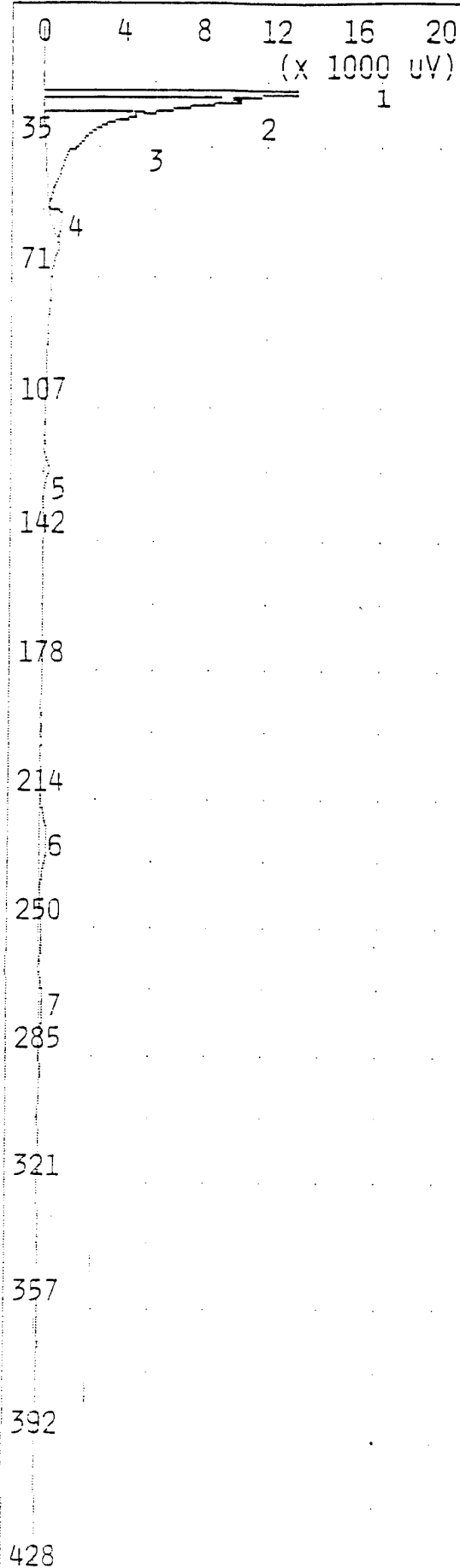
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1 | UNKNOWN | 8.619 MVS | 17.2 |
| 2 | UNKNOWN | 21.38 MVS | 18.8 |
| 3 | UNKNOWN | 27.69 MVS | 24.4 |
| 4 | UNKNOWN | 3.318 MVS | 51.8 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
AIR BLANK

ANALYSIS #17 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: APR 4,95 15:11
SAMPLE TIME: APR 4,95 15:02

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

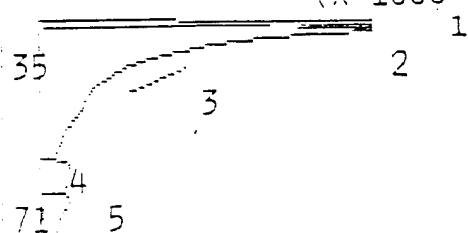
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 20.74 MVS | 17.6 |
| 2 | UNKNOWN | 43.99 MVS | 19.3 |
| 3 | UNKNOWN | 41.18 MVS | 25.0 |
| 4 | UNKNOWN | 3.500 MVS | 52.2 |
| 5 | TOLUENE | 1.153 PPB | 122.1 |
| 6 | UNKNOWN | 11.75 MVS | 222.4 |
| 7 | M,P-XYLENE | 24.87 PPB | 267.7 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
01-020BH DUP
0.5-2.0 10g

ANALYSIS #18 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20
(x 1000 UV)

107

142

178

214

250

285

321

357

392

428

TIME PRINTED: APR 4,95 15:23

SAMPLE TIME: APR 4,95 15:15

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 19.39 MVS | 17.2 |
| 2 | UNKNOWN | 128.2 MVS | 18.9 |
| 3 | UNKNOWN | 1.276 MVS | 24.4 |
| 4 | UNKNOWN | 9.777 MVS | 51.2 |
| 5 | BENZENE | 8.964 PPB | 60.1 |
| 6 | TOLUENE | 1.342 PPB | 120.0 |

NOTES

JOE BYRD, JR.
WORCESTER ANG

01-021

0.5-2.0 10g

ANALYSIS #19

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(X 10 MV)

TIME PRINTED: APR 4, 95 15:36

SAMPLE TIME: APR 4, 95 15:27

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.100 MVSEC
MIN HEIGHT 0.100 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 22.20 MVS | 19.4 |
| 2 | UNKNOWN | 111.3 MVS | 21.2 |
| 3 | UNKNOWN | 13.17 MVS | 52.0 |
| 4 | BENZENE | 85.92 PPB | 64.9 |
| 5 | TOLUENE | 76.78 PPB | 126.8 |
| 6 | UNKNOWN | 4.812 MVS | 231.0 |
| 7 | ETHYLBENZENE | 81.29 PPB | 258.9 |
| 8 | M,P-XYLENE | 160.5 PPB | 278.1 |
| 9 | O-XYLENE | 62.84 PPB | 326.9 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
100 PPB BTEX

ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 10 MV)

TIME PRINTED: APR 5,95 10:00
SAMPLE TIME: APR 5,95 09:51

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 44.01 MVS | 17.0 |
| 2 | UNKNOWN | 0.792 MVS | 24.1 |
| 3 | UNKNOWN | 3.430 MVS | 52.1 |
| 4 | UNKNOWN | 213.7 MVS | 59.6 |
| 5 | UNKNOWN | 0.961 MVS | 74.5 |
| 6 | UNKNOWN | 184.1 MVS | 119.4 |
| 7 | UNKNOWN | 5.241 MVS | 220.4 |
| 8 | UNKNOWN | 137.2 MVS | 247.2 |
| 9 | UNKNOWN | 108.8 MVS | 266.1 |
| 10 | UNKNOWN | 41.14 MVS | 314.6 |

NOTES

JOE BYRD, JR.
WORCESTER ANG5
100 PPB BTEX

ANALYTIC #2

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 100 MV)

TIME PRINTED: APR 5,95 10:19

SAMPLE TIME: APR 5,95 10:11

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 31 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 17.84 MVS | 17.0 |
| 2 | UNKNOWN | 111.7 MVS | 18.8 |
| 3 | UNKNOWN | 0.810 MVS | 24.3 |
| 4 | UNKNOWN | 6.668 MVS | 51.9 |
| 5 | BENZENE | 1.526 PPM | 60.3 |
| 6 | UNKNOWN | 1.041 MVS | 94.0 |
| 7 | TOLUENE | 1.447 PPM | 120.2 |
| 8 | UNKNOWN | 2.178 MVS | 219.8 |
| 9 | ETHYLBENZENE | 1.742 PPM | 247.7 |
| 10 | M,P-XYLENE | 3.469 PPM | 266.9 |
| 11 | O-XYLENE | 2.247 PPM | 315.4 |
| 12 | UNKNOWN | 1.149 MVS | 360.3 |

NOTES

JOE BYRD, JR.
WORCESTER ANG'S
1 PPM BTEX

ANALYTE #3

10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(X 100 MV)

TIME PRINTED: APR 5,95 10:36

SAMPLE TIME: APR 5,95 10:27

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 14.13 MVS | 17.0 |
| 2 | UNKNOWN | 123.9 MVS | 18.8 |
| 3 | UNKNOWN | 0.981 MVS | 24.2 |
| 4 | UNKNOWN | 39.26 MVS | 31.1 |
| 5 | UNKNOWN | 0.290 MVS | 38.7 |
| 6 | UNKNOWN | 1.713 MVS | 52.2 |
| 7 | BENZENE | 6.424 PPM | 61.2 |
| 8 | UNKNOWN | 7.330 MVS | 94.0 |
| 9 | TOLUENE | 7.842 PPM | 121.7 |
| 10 | UNKNOWN | 3.223 MVS | 172.0 |
| 11 | UNKNOWN | 9.592 MVS | 215.8 |
| 12 | ETHYLBENZENE | 8.411 PPM | 251.2 |
| 13 | M,P-XYLENE | 16.63 PPM | 269.6 |
| 14 | O-XYLENE | 5.929 PPM | 317.8 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
10 PPM BTEX

0 1 2 3 4 5
(x 1000 UV)TIME PRINTED: APR 5,95 10:53
SAMPLE TIME: APR 5,95 10:44

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 4.446 MVS | 17.1 |
| 2 | UNKNOWN | 40.65 MVS | 18.8 |
| 3 | UNKNOWN | 0.779 MVS | 24.4 |
| 4 | UNKNOWN | 4.459 MVS | 51.8 |
| 5 | BENZENE | 5.505 PPB | 59.8 |
| 6 | UNKNOWN | 16.45 MVS | 75.2 |
| 7 | UNKNOWN | 2.852 MVS | 222.4 |
| 8 | ETHYLBENZENE | 7.300 PPB | 249.3 |
| 9 | M,P-XYLENE | 11.99 PPB | 266.9 |
| 10 | O-XYLENE | 7.350 PPB | 311.4 |

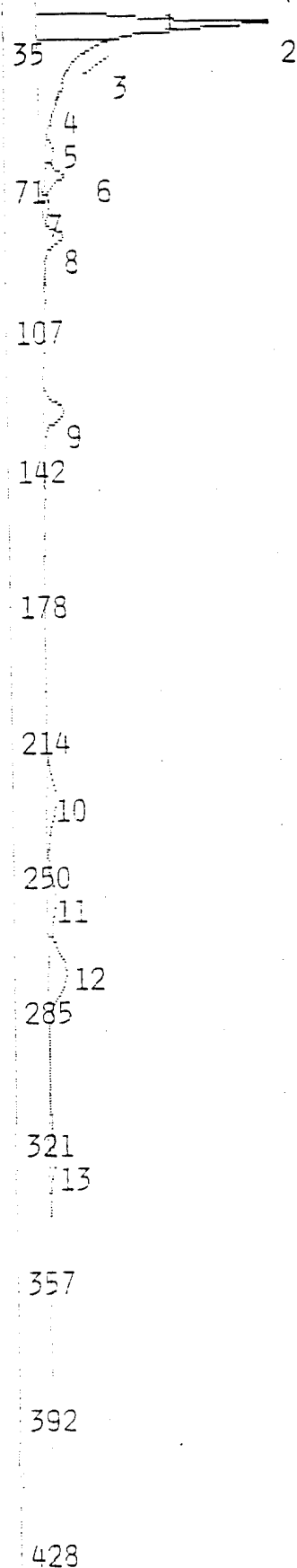
NOTES

JOE BYRD, JR.
WORCESTER ANG5
AIR BLANK

ANALYSIS #5

10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5
(x 10 MV)



TIME PRINTED: APR 5,95 11:05
SAMPLE TIME: APR 5,95 10:57

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 17.33 MVS | 17.0 |
| 2 | UNKNOWN | 221.8 MVS | 18.8 |
| 3 | UNKNOWN | 1.240 MVS | 24.3 |
| 4 | UNKNOWN | 1.580 MVS | 36.8 |
| 5 | UNKNOWN | 4.600 MVS | 52.9 |
| 6 | BENZENE | 4.357 PPB | 59.7 |
| 7 | UNKNOWN | 2.307 MVS | 66.9 |
| 8 | UNKNOWN | 9.856 MVS | 75.3 |
| 9 | TOLUENE | 8.617 PPB | 120.2 |
| 10 | UNKNOWN | 15.51 MVS | 222.0 |
| 11 | ETHYLBENZENE | 8.826 PPB | 248.5 |
| 12 | M,P-XYLENE | 55.65 PPB | 267.4 |
| 13 | O-XYLENE | 28.00 PPB | 316.5 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-022BH
0.5-2.0
10G

ANALYSIS #6 103+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: APR 5, 95 11:18

SAMPLE TIME: APR 5, 95 11:09

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
BYE FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 32 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 25.30 MVS | 17.2 |
| 2 | UNKNOWN | 87.94 MVS | 18.6 |
| 3 | UNKNOWN | 149.2 MVS | 24.4 |
| 4 | UNKNOWN | 20.28 MVS | 51.4 |
| 5 | BENZENE | 8.600 PPB | 60.2 |
| 6 | UNKNOWN | 9.924 MVS | 75.3 |
| 7 | TOLUENE | 2.404 PPB | 120.6 |
| 8 | UNKNOWN | 10.14 MVS | 221.3 |
| 9 | ETHYLBENZENE | 3.080 PPB | 250.9 |
| 10 | M,P-XYLENE | 9.433 PPB | 269.8 |
| 11 | O-XYLENE | 6.471 PPB | 314.4 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-023BH
0.5-2.0
10G

ANALYSIS #7 106+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5 TIME PRINTED: APR 5,95 11:30
(X 10 MV) SAMPLE TIME: APR 5,95 11:22

35 2 3
4
5
71 6
7
8
9
11
142

METHOD
SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
REF FLOW 11
CARRIER GAS 40 C
OVS TEMP 53 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

178
214
12
250
13
14
285
321
15
357
392
428

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 0.091 MVS | 15.8 |
| 2 | UNKNOWN | 6.722 MVS | 17.1 |
| 3 | UNKNOWN | 139.2 MVS | 19.0 |
| 4 | UNKNOWN | 0.974 MVS | 24.4 |
| 5 | UNKNOWN | 1.734 MVS | 37.0 |
| 6 | UNKNOWN | 5.535 MVS | 53.2 |
| 7 | BENZENE | 2.736 PPB | 60.2 |
| 8 | UNKNOWN | 2.685 MVS | 68.0 |
| 9 | UNKNOWN | 7.116 MVS | 76.2 |
| 10 | UNKNOWN | 0.134 MVS | 93.3 |
| 11 | TOLUENE | 6.277 PPB | 120.6 |
| 12 | UNKNOWN | 28.87 MVS | 223.2 |
| 13 | ETHYLBENZENE | 3.397 PPB | 251.2 |
| 14 | M,P-XYLENE | 50.27 PPB | 269.3 |
| 15 | O-XYLENE | 22.14 PPB | 318.4 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-022BH DUP
0.5-2.0
10G

ANALYSIS #8 106+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10
(x 1000 UV)

TIME PRINTED: APR 5,95 11:48
SAMPLE TIME: APR 5,95 11:40

35 2 1

71 3 4

107 5 6

142 7 8

178 9 10

214 11 12

250 13 14

285 15 16

321 17 18

357 19 20

392 21 22

428 23 24

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
E/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 33 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 12.54 MVS | 17.0 |
| 2 | UNKNOWN | 75.92 MVS | 13.9 |
| 3 | UNKNOWN | 7.086 MVS | 51.6 |
| 4 | BENZENE | 2.874 PPB | 60.0 |
| 5 | UNKNOWN | 16.02 MVS | 75.7 |
| 6 | TOLUENE | 2.345 PPB | 121.7 |
| 7 | UNKNOWN | 9.371 MVS | 224.6 |
| 8 | ETHYLBENZENE | 2.432 PPB | 252.5 |
| 9 | M,P-XYLENE | 9.724 PPB | 270.9 |
| 10 | O-XYLENE | 8.524 PPB | 311.2 |

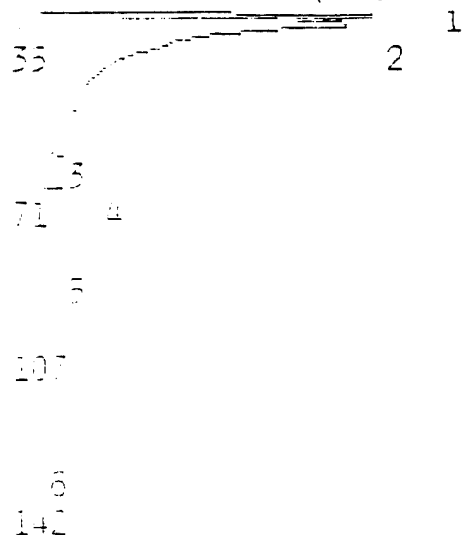
NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-019BH
0.5-2.0
10G

ANALYSIS #9 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20
(X 1000 UV)

TIME PRINTED: APR 5,95 12:01
SAMPLE TIME: APR 5,95 11:53



METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 33 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 21.84 MVS | 17.1 |
| 2 | UNKNOWN | 119.9 MVS | 19.4 |
| 3 | UNKNOWN | 8.935 MVS | 51.5 |
| 4 | BENZENE | 3.732 PPB | 60.3 |
| 5 | UNKNOWN | 5.687 MVS | 75.8 |
| 6 | TOLUENE | 1.315 PPB | 120.5 |
| 7 | UNKNOWN | 1.181 MVS | 218.2 |
| 8 | UNKNOWN | 9.051 MVS | 224.0 |
| 9 | ETHYLBENZENE | 1.079 PPB | 251.4 |
| 10 | M,P-XYLENE | 2.746 PPB | 272.0 |

NOTES

JOE BYRD, JR.
WORCESTER ANG8
01-019BH
2.5-4.0
10G

ANALYSIS #10 106+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10 TIME PRINTED: APR 5, 95 12:13
(X 10 MV) SAMPLE TIME: APR 5, 95 12:05

METHOD

SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
B/F FLOW 12 ML/MIN
ADJ FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 33 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

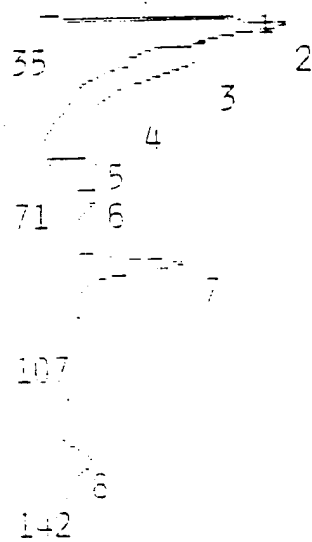
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 16.77 MVS | 17.4 |
| 2 | UNKNOWN | 95.74 MVS | 19.0 |
| 3 | UNKNOWN | 7.337 MVS | 51.6 |
| 4 | BENZENE | 92.47 PPB | 60.5 |
| 5 | UNKNOWN | 3.146 MVS | 75.8 |
| 6 | TOLUENE | 62.50 PPB | 121.2 |
| 7 | UNKNOWN | 3.778 MVS | 225.6 |
| 8 | ETHYLBENZENE | 77.65 PPB | 250.9 |
| 9 | M,P-XYLENE | 153.2 PPB | 270.4 |
| 10 | O-XYLENE | 75.91 PPB | 319.7 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
100 PPB BTEX

ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5 TIME PRINTED: APR 5,95 12:29
(X 1000 UV) SAMPLE TIME: APR 5,95 12:21



METHOD
SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
MIN AREA 0.000 MVSEC
MIN HEIGHT 0.000 MV
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
S/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 33 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 3.126 MVS | 17.4 |
| 2 | UNKNOWN | 33.77 MVS | 19.0 |
| 3 | UNKNOWN | 0.068 MVS | 24.3 |
| 4 | UNKNOWN | 0.190 MVS | 29.0 |
| 5 | UNKNOWN | 3.071 MVS | 52.5 |
| 6 | BENZENE | 0.200 PPB | 59.8 |
| 7 | UNKNOWN | 4.680 MVS | 75.6 |
| 8 | TOLUENE | 1.332 PPB | 121.3 |
| 9 | UNKNOWN | 6.247 MVS | 223.8 |
| 10 | ETHYLBENZENE | 4.433 PPB | 248.0 |
| 11 | M,P-XYLENE | 11.01 PPB | 271.4 |
| 12 | O-XYLENE | 9.318 PPB | 308.8 |

NOTES

JOE BYRD, JR.
WORCESTER ANG
~~100 PPB RTEF~~ *JB*
AIR BLANK

ANALYSIS #12 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20
(x 1000 MV)TIME PRINTED: APR 5,95 12:44
SAMPLE TIME: APR 5,95 12:36

METHOD

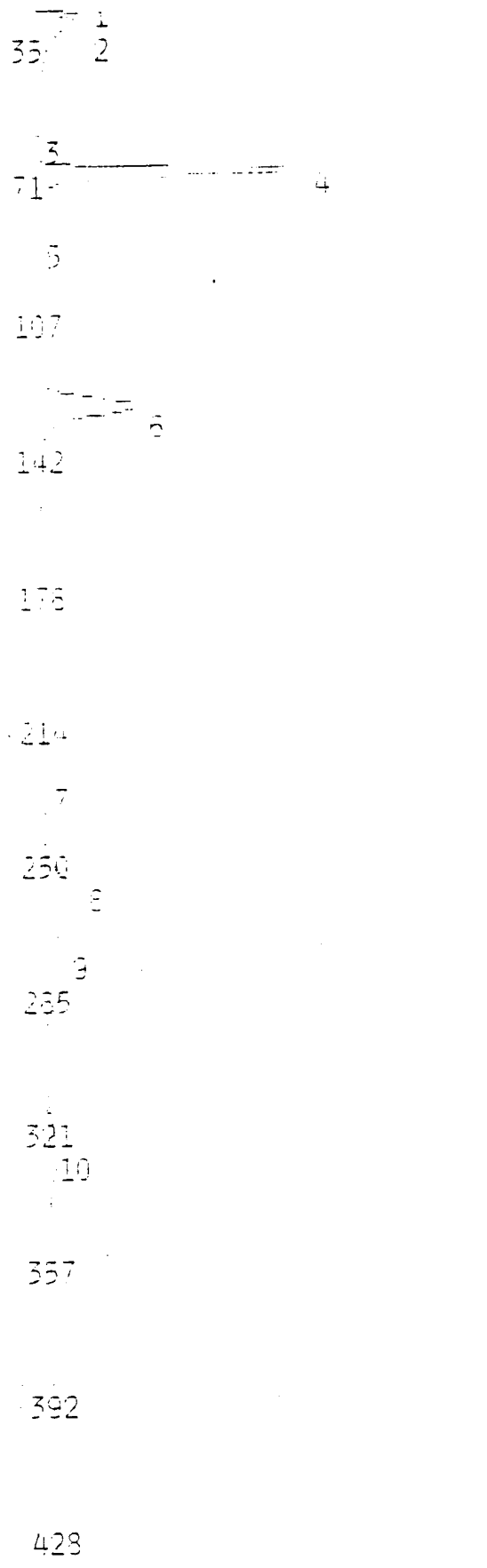
SLOPE UP 0.500 MV/SEC
SLOPE DOWN 1.500 MV/SEC
ANALYSIS DELAY 0.0 SEC
WINDOW PERCENT 10.0 %
DET FLOW 12 ML/MIN
S/F FLOW 12 ML/MIN
AUX FLOW 0 ML/MIN
OVEN TEMP 40 C
AMB TEMP 33 C
MAX GAIN 1000
ANALYSIS TIME 500.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 13.87 MVS | 17.0 |
| 2 | UNKNOWN | 102.0 MVS | 18.6 |
| 3 | UNKNOWN | 8.687 MVS | 51.6 |
| 4 | BENZENE | 3.427 PPB | 60.3 |
| 5 | UNKNOWN | 6.955 MVS | 75.3 |
| 6 | TOLUENE | 1.872 PPB | 120.4 |
| 7 | UNKNOWN | 12.20 MVS | 222.6 |
| 8 | ETHYLBENZENE | 2.341 PPB | 249.3 |
| 9 | M,P-XYLENE | 11.19 PPB | 267.7 |
| 10 | O-XYLENE | 6.114 PPB | 313.8 |

NOTES

JOE BYRD, JR.
WORCESTER ANGCS
01-024BH
0.5-2.0
10G



METHOD

| | | |
|----------------|-------|--------|
| SLOPE UP | 0.500 | MV/SEC |
| SLOPE DOWN | 1.500 | MV/SEC |
| MIN AREA | 0.000 | MVSEC |
| MIN HEIGHT | 0.000 | MV |
| ANALYSIS DELAY | 0.0 | SEC |
| WINDOW PERCENT | 10.0 | % |
| DET FLOW | 12 | ML/MIN |
| B/F FLOW | 12 | ML/MIN |
| AUX FLOW | 0 | ML/MIN |
| OVEN TEMP | 40 | C |
| AMB TEMP | 33 | C |
| MAX GAIN | 1000 | |
| ANALYSIS TIME | 500.0 | SEC |

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|-------|
| 1 | UNKNOWN | 17.04 MVS | 17.1 |
| 2 | UNKNOWN | 102.4 MVS | 18.7 |
| 3 | UNKNOWN | 6.686 MVS | 52.2 |
| 4 | BENZENE | 93.22 PPB | 60.2 |
| 5 | UNKNOWN | 3.127 MVS | 75.7 |
| 6 | TOLUENE | 99.60 PPB | 120.8 |
| 7 | UNKNOWN | 6.254 MVS | 222.0 |
| 8 | ETHYLBENZENE | 38.46 PPB | 250.6 |
| 9 | M, P-XYLENE | 200.5 PPB | 270.1 |
| 10 | O-XYLENE | 101.4 PPB | 319.4 |

NOTES

JOE BYRD, JR.

WORCESTER ANGCS

100 PPB BTEX

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APPENDIX C

**FIELD NOTES, FIELD FORMS,
AND LAND SURVEY PLATS**

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Carroll Station

WORCESTER AIR NATIONAL GUARD STATION

ADDENDUM SITE INVESTIGATION

April 3-7, 1995

FED-EX #

Phone Numbers:

OpTech 1-800-677-8072

John (H) (210) 698-0388

Matt (H) (210) 679-6247

ANG-RC : (301) 836-8904 (Bill Ladd)

1-800-237-9744

(301) 836-8121 FAX

Barnes : (413) 568-9151 ext 710 John Richardson,

(413) 572-1565 (FAX)

Worcester: (508) 799-6963 ext. 5529 Pete McGinnis

(508) 751-5210 (FAX)

NEI - 60 SEAVIEW BLVD. Port Washington

NY 11050-4618

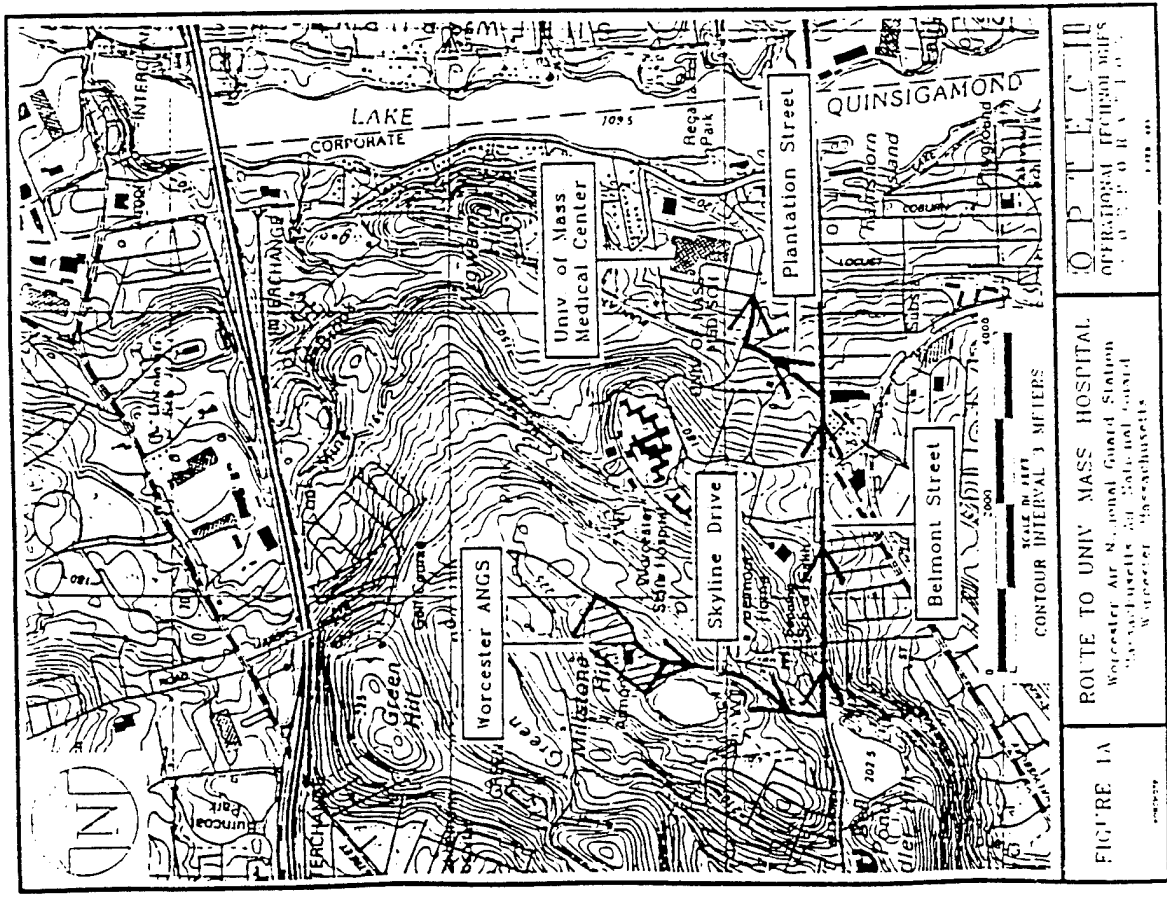
(516) 625-5500

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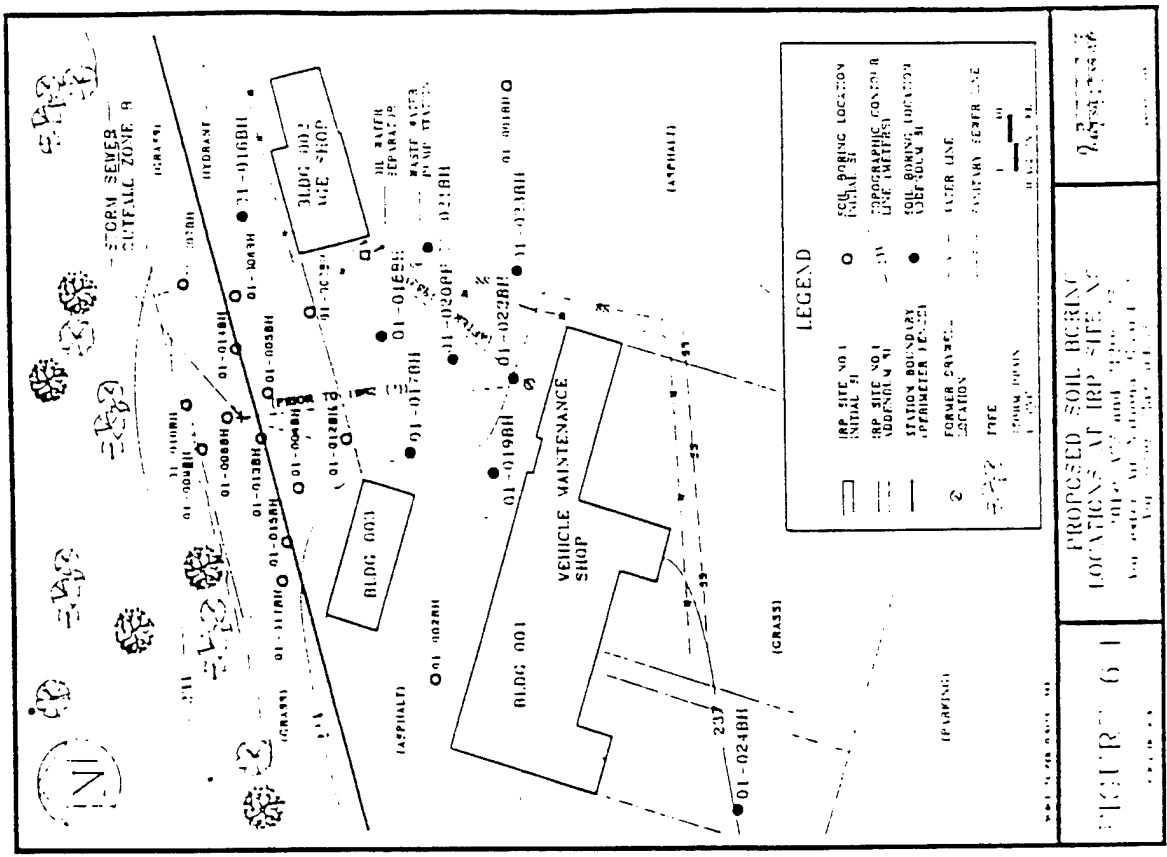
(3)

Emergency Route to the Hospital.



(4)

Proposed Boring Locations At the Station.



4/5/75

0750

ARRIVE AT Worcester ANG'S

0800

Meet w/ Pete McGinnis, POC at Worcester ANG'S. Re-introduce ourselves and introduce crews. Walk the site to orient everyone to everything. Look over old drilling locations look at new ASTs and spot underground utilities.

Meet MSG Cliff Huston at the AGE shop to see about decompress and moving vehicles for drilling.

Secure our equipment sent up to the station. Preparing for daily activities.

0840 SAFETY BRIEFING

Earl Parker

Jon Williams

Joe Dynd

Deshy Greenway

Optech

Weather: Sunny and mild. Temp: 35° Hi: 50's.

Sunny and Breezy out of the west.

Should be a great day.

Discussed daily activities of locating and approving boring locations, equipment

BLANK

PAGE

⑤

4/3/96

1400 Pete McGinnis has updated drawings of all new tank installations and wants to confirm locations of a few soil borings.

Pete McGinnis and myself go out and walk through and measure out all borings to insure all are in safe areas according to his drawings. All borings check out as fine.

1415 Go back to GC area where Joe Byrd continues to organize his GC area. Jon and Destiny are calibrating the HNu Model PI 101 Photoionization Detector and the Photovac MicroTip PID. Check operation of the TMX 410 Multi-Gas Monitor.

1440 Go out w/ Destiny and Jon and set up a decon station and decon 80 brass sleeves, 160 end caps and 40 ml VOA vials for soil sampling. Wash in Alconox wash, rinse with drinking

4/3/96

water, rinse w/ ASTM Type II de-ionized water and spray with Methanol. Allow to air dry completely. Then wrap 3 sleeves to a set in Aluminum foil. This process will allow all sleeves needed for our job to be done.

1600 Complete deconing and wrapping all the equipment. Begin to break down decon area and secure the site for the night.

1645 All finished securing for the night. Departing the Station going to store to purchase some final supplies required for sampling.

1730 Departing store after purchasing fire extinguisher and other misc supplies. Going to hotel.

1805 Arrive at Hotel.

Spend approx. 3 hours preparing sampling kits for tomorrow's sampling.

4/3/96 Paul E. Lusk

40.0 hrs

Clear & mild (11)

TUESDAY DAY 2

4 April 95

0750 Arrive at the Station.

Drillers are here. Meet with

Pete Newsham and Brian Milford

of Technical Drilling Services. Walk
the site w/ drillers. Pete was the
driller on this project last time and
we review OptTech procedures.

0810 SAFETY MEETING

Earl Parker Jon Williams } OptTech
Joe Byrd Deshy Greenway }
Pete Newsham Brian - TDS

WEATHER: Cloudy, Breezy, Drizzle.

Cool, Breezy and drizzle today. Temp: 45°

H₂ was 60, but winds out of W and
drizzle expected all day.

Review site hazards, previous findings and
daily drilling objectives, emergency procedures.

0825

Prepare to begin drilling. Drillers preparing
decon area, Deshy & Jon calibrate equipment
and set up sample prep and decon table. Joe
setup and calibrate field GC. Earl phones
and FAXes daily progress reports from
yesterday's activities. Decon at Bldg 003

4:20 PM

(16)
in 0825/0826

0915 Drillers set up over 01-016 BH to begin
drilling. Drill Acker AD-2 drill rig
and 4 1/4 ID augers.

0930 Drillers begin to drill at 01-016 BH
01-016 BH Int 1
0.5 - 2.0' BLS

SPT 10 0.5 - 1.0' BLS
18 1.0 - 1.5' BLS
50 1.5 - 2.0' BLS

PID: 3.0 ppm. 100% Recovery
ATHA: 13.0 ppm

Fill: Very poorly sorted sand and coarse
sand. Some cohesive silt. Very
loose sand. Slightly moist. Brown
to dark grey.

0950 01-016 BH Int 1 Duplicate
0.5 - 2.0' BLS

Same lithology. Sample obtained from
the side of the hole.

1000 Drillers drilling at 01-016 BH to
50' BLS.

Park grey very loose sand and gravel
fill. Very poorly sorted. Gravel and
cobbles. Rounded to subrounded granite
cobbles (fill). Loose, slightly moist.
Slight odor (petroleum). PID reads up to
380 ppm at the hole. Breathing zone
is non-detect.

7/2/95
1020 01-016 BH Interval 2

7.5' - 9.0' BLS

SPT 23 7.5 - 8.0' BLS
28 8.0 - 8.5' BLS
31 8.5 - 9.0' BLS

PID: 230 ppm 65% Recovery

ATHA: ^{SP}SPF: No soil for analysis.

Description: Brown to dark gray coarse sand and gravel. Medium to coarse sand, loose to slightly cohesive. Fill material.

Slightly moist. Definite petroleum odor. Will drill to find trench to see if

another sample needs to be collected.

Total depth of hole is 10.0' BLS to hard bedrock. 7.5 - 9.0' BLS will be interval 2 sample.

Drillers moving off 01-016 BH
And will move to 01-017 BH.

1100 Begun to drill at 01-017 BH

1105 01-017 BH Int 1

0.5 - 2.0' BLS

SPT: 19 0.5 - 1.0' BLS
30 1.0 - 1.5' BLS
44 1.5 - 2.0' BLS

PID: 6.2 PPM

ATHA: 14.7 ppm 90% Recovery

Description: Gray to brown fill material. Coarse to medium sand w/ subrounded to angular granite cobbles. Black charcoal fill in upper part. Loose to slightly cohesive. Slightly moist. No odor.

1120 01-017 BH Int 1 MS

0.5 - 2.0' BLS

SPT: 51 0.5 - 1.0' BLS
38 1.0 - 1.5' BLS
34 1.5 - 2.0' BLS

PID: 5.8

Description: Same as above. Fill material and gravel. 80% Recovery.

1140 01-017 BH Int 1 MSD

1.0 - 2.5' BLS

SPT: 40 1.0' - 1.5' BLS
20 1.5' - 2.0' BLS
16 2.0' - 2.5' BLS

PID: 6.3

75% Recovery

Description: Same as above. Spoon was set at 1.0' BLS and driven in 18".

4/4/95

(15)
S. 19/1/1

1150 01-017 BH INT 2

5.0-7.0' BLS

SPT: 5 5.5-6.0' BLS

6 6.0-6.5' BLS

15* 6.5-7.0' BLS (* to 50)

PID: 6.8 ppm

ATHA: 14.7 ppm 65% Recovery

Description: Brown to dark brown sand and silty sand. Coarse sand and gravel at top becoming silty sand and moist at the bedrock. Bedrock encountered at 7.0 and confirmed by HSA refusal and SPT.

1210 Break for Lunch.

1245 Moving to 01-018 BH.

1310 01-018 BH INT 1

0.5-2.0' BLS

SPT: 21 0.5-1.0' BLS

41 1.0-1.5' BLS

50 1.5-2.0' BLS

PID: 7.8 ppm 75% Recovery

ATHA: 14.7 ppm

4/4/95

Sal El-Tah

Description: Brown to dark brown and gray, loose coarse sand, sand and gravel. Rounded cobbles of Granite (Fill material). Some sand and silty sand, slightly coherent and slightly moist. No odor.

1340 01-018 BH INT 2

5.0-6.0

SPT: 11 - 5.0-5.5' BLS

14* - 5.5-6.0' BLS (* Refused)

- - 6.0-7.5' BLS

PID: 13.5 ppm 80% Recovery

ATHA: 13.7 ppm

Description: Same as Interval 1 sample

1350 Complete drilling at 01-018 BH. Moving to 01-020 BH.

1410 Begin to drill at 01-020 BH.

01-020 BH Interval 1

0.5-2.0' BLS

SPT: 10-0.5-1.0 BLS

18- - 1.0-1.5 BLS

24 - 1.5-2.0 BLS

PID: 5.8 ppm

ATHA: 11.3 ppm 80% Recovery.

Clear Effluent
Description: Brown to dark brown coarse sand and gravel. loose, slightly moist fill material. Many cobbles and large gravel w/ angular granite cobbles in bottom.

1415 Bedrock encountered when pushing spoon to 2.5' to 3.0' BCS. Will not be able to obtain an interval 2 sample from this location due to depth to bedrock.
Moving to 01-021 BH once drillers steam clean augers.

1425 Begin to drill at 01-021 BH.

1430 01-021 BH Int 1

0.5 - 2.0' BCS

SPT: 18 * - 0.5 - 1.0' (* Bedrock)

- - 1.0 - 1.5' BCS

- - 1.5 - 2.0' BCS

PID : 7.3 PPM

ATHA : 11.7 PPM

Description: Brown to dark brown coarse sand fill with some gravel and ~~bedrock~~ cobbles. Angular

granite fragments to bedrock at only 1.0' BCS. Slightly moist, loose, no odor. Will not be able to collect an interval 2 sample from this location due to depth to bedrock.

1445 Drillers complete drilling for the day. Moving over to decon area to steam clean augers and grout all the boreholes.

Enl, Deshy and Jon complete cleaning spoons and prepare to collect A Field Blank and an Equipment blank to be poured thru a California Style split spoon Assembled with brass sleeves and sand catcher.

1500 Enl and Deshy collect a Field Blank for all parameters on the analysis program. Designated as Field Blank #1

1520 Drillers complete grouting holes. Rain and wind begin. Drillers departing the site for the day after securing equipment.

Earl E. Stahl

1530 Earl, Pasby and Jon collect
Equipment Blank. Designated A
Equipment Blank #1.
Rain falling very hard. Thunder,
lightning and very strong winds
present.

1600 Complete collecting Equipment Blank #1.
Joe Byrd Arrives after completing
all field & activities for the day.
Assisting in the packaging of samples
for the delivery to the lab.
Preparing Chain of Custody forms for
sample shipment.

1620 Earl completes CoC forms. Secure
the CoCs in the ice chest and
Secure ice chests w/ ice, CoCs
tape w/ Strapping tape and secure
with Custody Seals. Put ice chest
in van for delivery to FED-EX.

1645 Begin to clean up area. Dump
All Decon Water in Decon Water

Earl E. Stahl

Drum in the steam cleaning area.
Organize all equipment. All field GC
and PID readings indicated isolated
contamination in a few samples. All
gloves and soiled sleeves were rinsed
and discarded in the trash bags.
Rinse water was placed in decon water
drum all all trash was disposed in
the general refuse container.

1720 All areas are secure and Optech
personnel depart the station for the day.
Go to FED-EX to ship samples.
Samples taken to FED-EX station
near Worcester Police Station and
deposit samples to FED-EX.

1735 Return to Hotel. Call John Morris at
Optech and leave message of daily activities.
No more held activities for the
day.

4/4/95 S. G. L. (9.5 hrs)

WEDNESDAY

800 Arrive at the Station Drillers Arrive

0810 Safety Briefing

Earl Parker Deshy, Greenway } update
Jon Williams Joe Byrd
Rick Newham Liam Willard } TDS

weather: Clear to Partly Cloudy, windy and very cold. Winds are 20-40 mph out of the west Temp: mid 20's. It's today is low 30's. Becoming windy and partly cloudy.

Review emergency procedures site hazards and discuss daily drilling objectives. Review hazards associated with cold weather.

0825 Deshy and Jon set up decan and sample prep area. Calibrate PID. Joe Byrd goes to set up field GE and calibrate Drillers prepare rig for drilling.

0840 Earl phones AGRC and FAXes Daily Progress Report to AGRC-PM. Phone Optech for Daily Shakes.

0920 Begin to drill at 01-023BH.
01-023BH INTERVAL

0.5-2.0' BLS

SPT: 30 0.5-1.0' BLS
31* 1.0-1.5' BLS (A Bedrock)
- 1.5-2.0' BLS

PID: 2.0 ppm

ATHA: 6.1 ppm 100% Recovery

Description: Brown to dark brown coarse sand fill material with gravel fragments and granitic cobbles. Loose, dry, with some silt and sandy silt fill. No odor.

Bedrock encountered at 1.5' BLS. No interval 2 sample will be obtained from this location. Moving to 01-022BH.

0950 Begin to drill at 01-022BH

01-022BH Int 1

0.5-2.0' BLS 85% Recovery.

SPT 28 - 0.5-1.0' BLS

47 - 1.0-1.5' BLS

62 - 1.5-2.0' BLS

PID: 5.8 ppm

ATHA: 4.6 ppm

Recovery 80%

11

(23) *E. E. Stark*

Description: Brown coarse sand and gravel fill material w/ dark brown silty sand. loose, slightly moist. Silty sand is hard, slightly cohesive and dry. No odor.

1010 01-022 BH Int 2

2.0-3.5' BLS

SPT: 50 2.0-2.5

- 2.5-3.0

- 3.0-3.5

Bedrock encountered at 2.5' BLS. No soil for interval 2 sample. Only one sample will be submitted from this boring.

Drillers moving to obtain a duplicate interval 1 sample.

1015 01-022 BH Interval 1 Duplicate

0.5-2.0' BLS

PID: 4.6 ppm

Description - Soil is same as before. Sample obtained 8" from original sample.

1025 Drillers moving to 01-019 BH.

1035 Drillers begin to drill at 01-019 BH. 01-019 BH, Int 1

SPT: 23 0.5-1.0' BLS

38 1.0-1.5' BLS

31 1.5-2.0' BLS

PID: 4.5 ppm

ATHA: 10.0 ppm

70% recovery

Description: Brown coarse sand fill material w/ some silty sand, gravel and granite cobble fill. loose to slightly cohesive, slightly moist. No odor. No sign of bedrock, will attempt another interval.

1050 01-019 BH, Int 2

2.0-3.5'

SPT: 20 2.0-2.5' BLS

21 2.5-3.0' BLS

23* 3.0-3.5' BLS (*Bedrock)

PID 4.5 ppm

ATHA: No soil available

60% Recovery

Description: Brown to dark brown coarse sand and sandy silt. loose to slightly cohesive, semi moist to moist at bottom. No odor. Bedrock at 3.3' BLS

1115 Drillers moving to 01-024 BH.

Drillers have been grouting holes as they go. No augers have been used and no cuttings have been produced during drilling.

1120 Drillers begin drilling at 01-024 BH
01-024 BH Int 1

0.5'-2.0' BCS

SPT: 6 0.5'-1.0' BCS

5 1.0'-1.5' BCS

8 1.5'-2.0' BCS (*Bedrock)

PID: 2.4 ppm

ATMA: 1.9 ppm Recovery: 90%

Description: Light brown sand and coarse sand fill material. Well sorted coarse sand with few gravel. Bottom is silty sand, dark brown and moist 1/6 ocler. Bedrock at 2.0' BCS.

1140 Complete drilling at all boring locations.

Drillers move to decon area to clean augers and drum decon water. Will store cuttings and decon water drums adjacent to Hazardous Materials

sharp area on the northwest side of Hdg 02.
AGE Shop.

1150 Break for lunch. Jon and Deshy go to lunch.
Joe Bud continues to finish up with the field GC. Earl works on drilling summary for drillers.

1220 Earl and Pat Macdon (Driller) go over final footages, spoon count, drum count, and decon/sheddy time for drillers.
Deshy and Jon return from lunch.

1230 Drillers depart Webster ANES after completing all their work.

Earl, Deshy and Jon go out to begin to break down decon, sample prep and collect field and equipment blanks.

1300 Begin to arrange bottle sets and label bottles for Equipment and Field blanks.

1320 Begin to collect Equipment Blank #2.
Pour water supplied by lab thru a bottle to bottle transfer of water which was poured thru a California-style

(27)
Earl Edwards

sample w/ no brass sleeves this time
Fill bottles for all analytical parameters

1330 Earl and Jon collect Field Book #2.
Pour by a bottle to bottle transfer
for all analytical parameters.
Destry cleans fuel spouts and prepares
to be packed.

1410 Earl prepares Chain-of-Custody and
prepares samples for shipment.
Destry, Jon, and Joe begin general
cleaning and organizing in preparing
to pack supplies for shipment back
to San Antonio.

1600 Samples and all rental equipment is
packed and. Awaiting FED-Ex to
arrive at the site to pick up supplies.

Pete McGinnis request the authorizing
to take place tomorrow at 9:00 am
We will comply with this request.
Continue to clean up site.

Earl Edwards

Destry and Jon dumped all decon brush
water in decon water drum and drum
was secured and labeled with
contents name, date, (bearing locations
w/ soil cuttings). Optech and phone
number. Took photographs of drums
and the site in general.

1630 FED-Ex arrives at the site and takes
control of samples. Ship all rental
equipment back also.
Walk the site once more to insure
all is clean and secure.

1640 Depart the Site for the day.

1800 Arrive at Hotel.

2000

4/15/98

Earl Edwards

11

(9 hr)

THURSDAY

11/11/95

6 April, 1995

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0850 Arrive at Worcester ANG-S.

Pete McGinnis is walking the site with the Surveyors. Go out and meet with JOE Taper and Everett from Taper Land Survey. Walk all site bearings to show surveyors what needs to be located.

0915 Conduct outbriefing with Lt. Col. Joe Bellino, 212th EIS Commander with Pete McGinnis and Optech crew.

Introduce crew. Discuss purpose of the Addendum SI, discuss our plan, what we did. Discuss briefly field screening findings, field screening. What was discovered during drilling. Discussed IDW storage and holding and what to expect as to when the Draft Technical Memorandum will be available.

0950

Faxed Daily Progress Report to Bill Lottler on yesterdays activities and phoned him. Left message on his recording as to what was discovered during yesterdays activities

0955

Phoned Russ Cason and gave him final summary report on the Worcester ANG-S activities.

1000

Joe and Jon walk the site one final time. Conduct final check prior to departure from the Station.

1030

Conduct final check out with Pete McGinnis. He is satisfied with all of our clean-up and demobilization activities. Check with surveyors and they are happy with all arrangements and have no questions.

1100 DEPART WORCESTER ANG-S.

COMPLETED APPENDUM SI

11

Joe Byrd, Jr.

Project Scientist

4100 NW Loop 410, #230

SAN Antonio, TX 78229

(210) 731-0000 1-800-677-8072

Worcester 1315-199

Pete McGinnis

50 Skyline Drive

Worcester, MA 01605

Worcester, MA 01605

(508) 799-6963 ext. 5529

FRIDAY 31 MAR 95
0830-0900 Premob mtg.

EP, DG, JW, JB, SW, RC

FEDEX 1342-6486-1 (1-800-238-5355)
HAZCO 1-800-332-0435
AIR Products 1-800-224-2724 (76509)

1-800-741-9000
O+ # 210 7310001 0192807834

ENVIRO. INSTRU. SERV.
1-800-532-7474

Burlington EX (210) 402-1212
531444410 DORIS

OPTech
6900 Alamo Downs Pkwy # 120
SATX 78230
(210) 523-2020

Hampton Hotel
110 Samarra St.

Get Procedures for GC.

ALL Gas Chromatograph operating,
CALIBRATION, AND MAINTENANCE
PROCEDURES ARE LISTED IN APPENDIX
A AT THE ~~END~~ BACK OF THIS
FIELD BOOK. ALL ~~REFERENCES~~ IN THE
DAILY LOG ENTRIES ~~CAN BE~~ THAT
REFER TO GC. CAN BE FOUND IN
THIS APPENDIX.

TRAVEL DAY
(EST) Sunday, 2 April 1995
0630 Leave home

(EST) 1748 AT HOTEL
Tolls: 1.00
1.50
1.80
3.30

10.3 hr

JB
T RAUCH DAY
Sunday 2 APRIL 95

13 APRIL 95

①

DAY 1 MONDAY

0730 leave hotel

0745 in base

Meet w/ P McGinnis. Walk site

0839 safety meeting

JTB, DG, EP, JED.

• fix out for moving vehicles

• weather: sunny, 50's

0845 Go to mess hall to unpack

GC stuff. Air line is

broken. TRY to fix.

1050 Go w/ EP et al to walk

w/ P McGinnis to ensure

that all proposed boring

sites are clear of

utilities.

1115 CALL EIS to check on

Rentnl Cg. It should be
here.

1130 FEDEX from EIS get here.

NO GC ACCESSORIES.

1133 leave base. Go to hotel

1151 At hotel CALL EIS

JB

1156 EIS will check and let know
They shipped (5) parcels and
we only received (4).

1344 Back on base

1350 CALL EIS. No word on

5th package
FEDEX delivered package
during lunch
Set-up GC. Check all
systems.



1519 ALL systems check out.

Go held others decon

brass sleeves & VOA Virals

1710 LEAVE BASE Goto STORE to

get supplies.

At hotel.

1800

[Handwritten signature]



12:00

104h

DAY 2

(3)

Tuesday 4 April 1995

0730 Leave for base
~~breakfast~~

0744 ON Base

Set up GC. GC ID#: 000138

0808 Safety meeting

- BRIAN, Debra, ES, SB, JW, DG.
- Rain, Thunder/Lightning.
- no eat/drink/smoke
- Eye wash, First Aid, FIREX.

0820 Return to GC Room (Mess Hall
((MH)). Continue GC set-up.

0900 CALL FEDEX for pickup.

OR HAS9 → P.U. Number.

Scheduled 4:00-5:30

0908 GC PARAMETER

- GAIN 1,000
- CARRIER GAS FLOW 12 μ l/min
- Injection Vol. 100 μ l
- GC OVEN Temp 40°C
- ANALYSIS Time 500 sec

BUILD 10 PPM, 1 PPM, & 100 PPB

BTEX STDs

483

0939 100 PPB BTEX STD.

● Benzene 100 ppb
● Toluene 100 ppb
● E-Benzene 100 ppb
● m,p-Xylene 200 ppb
● o-Xylene 100 ppb

1001 1 PPM BTEX STD

● Benzene 1 ppm
● Toluene 1 ppm
● E-Benzene 1 ppm
● m,p-Xylene 2 ppm
● o-Xylene 1 ppm

1019 10 PPM BTEX STD

● Benzene 10 ppm
● Toluene 10 ppm
● E-Benzene 10 ppm
● m,p-Xylene 20 ppm
● o-Xylene 10 ppm

1037 AIR BLANK

● Benzene 2 ppb
● Toluene 1 ppb
● E-Benzene 3 ppb
● m,p-Xylene 7 ppb

[Signature]

4 APRIL 95

5

1050 Goto drilling rig to get samples
1102 01-016 BH 0.5'-2.0' 10g

- Benzene 1 ppb
- Toluene 4 ppb
- E-Benzene 4 ppb
- m,p-Xylene 8 ppb
- o-Xylene 3 ppb

1116 01-016 BH 7.5'-9.0' 10g

- OVER 25 peaks. GC overload

1131 01-016 BH 7.5'-9.0' 10g Rest of
2X dilution

- OVER 25 peaks. GC OVERLOAD
- Compare chromatograph with
chromatograph of 10 ppm STD.
NONE of the peaks ARE
compatible.

1148 Goto rig to get more samples.

1158 100 ppb BTEX STD

| | CAL |
|------------|-----------------|
| Benzene | 78 ppb 100 ppb |
| Toluene | 73 ppb 100 ppb |
| E-Benzene | 70 ppb 100 ppb |
| m,p-Xylene | 142 ppb 200 ppb |
| o-Xylene | 58 ppb 100 ppb |

1217 AIR BLANK

● m,p-Xylene 5 ppb

1219 01-017 BH 0.5'-2.0' 10g

● Benzene 4 ppb

● Toluene 1 ppb

1241 01-017 BH 5.5'-7.0' 10g

● Benzene 5 ppb

● Toluene 1 ppb

● E-Benzene 5 ppb

● m,p-Xylene 4 ppb

1256 Go out to get samples

1308 01-018 BH 0.5'-2.0' 10g

● ALL NON-DETECTS

1320 Go out to get samples.

1339 01-018 BH 5.0'-6.0' 10g

● Benzene 6 ppb

● Toluene 1 ppb

1352 Go out to get samples.

1414 01-020 BH 0.5'-2.0' 10g

● Toluene 1 ppb

● E-Benzene 2 ppb

● m,p-Xylene 10 ppb



4 APRIL 95

7

1427 100 PPB BTX STD

| | | CAL |
|------------|---------|---------|
| BENZENE | 94 ppb | 100 ppb |
| TOLUENE | 93 ppb | 100 ppb |
| E-BENZENE | 84 ppb | 100 ppb |
| m,p-Xylene | 167 ppb | 200 ppb |
| o-Xylene | 72 ppb | 100 ppb |

1442 AIR BLANK

● ALL NON-DETECTS

1502 01-0208H-DUP 0.5'-20' 10g

● Toluene 1 ppb

● m,p-Xylene 25 ppb

1515 01-0218H 0.5'-20' 10g

● Benzene 9 ppb

● Toluene 1 ppb

1527 100 PPB BTX STD

| | | CAL |
|------------|---------|-----|
| BENZENE | 86 ppb | ppb |
| TOLUENE | 77 ppb | ppb |
| E-BENZENE | 81 ppb | ppb |
| m,p-Xylene | 161 ppb | ppb |
| o-Xylene | 63 ppb | ppb |

1540 SHUT DOWN GC.
AID w/ EQ. BK & breakdown
1652 LEAVE base
AT FEDEX
1705 LEAVE FEDEX
J→ AT Hotel.
1716

[Signature]

[Signature]

DAY 3

(9)

WEDNESDAY 5 APRIL 1995

0745 Leave hotel for Berkeley
0801 ON GAVE

TURN ON GC. Begin setup
0815 Go out for setup Mtg.

0825 • JB, JW, EP, DG, Pete & BRIAN
- weather, windy & cold

Hi: 30°F wind 30 mph
- Be careful of chills.

0830 Return to mess hall &
continue setup.

0951 100 PPB BTEX STD

— GC PARAMETERS

- Gain 1,000
- Carrier Gas Flow 12 ml/min
- Injection Vol 100 µl
- GC Oven Temp 40°C
- Analysis Time 500 sec
- Set Library

1011 1 PPM BTEX STD

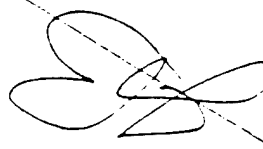
• Set Library

1027 10 PPM BTEX STD

• Set Library

1044 AIR BLANK

• BENTONE 6 ppb



.... AIR BLANK (CONT.)

● E-Benzene 7 ppb
● m,p-Xylene 12 ppb
● o-Xylene 7 ppb
1057 01-022 BH 0.5-2.0 10g

● Benzene 4 ppb
● Toluene 9 ppb
● E-Benzene 9 ppb
● m,p-Xylene 56 ppb
● o-Xylene 28 ppb

1109 → 01-023 BH 0.5-2.0 10g
● Benzene 9 ppb
● Toluene 2 ppb
● E-Benzene 3 ppb
● m,p-Xylene 9 ppb
● o-Xylene 6 ppb

1122 01-022 Dup 0.5-2.0 10g
● Benzene 3 ppb
● Toluene 6 ppb
● E-Benzene 3 ppb
● m,p-Xylene 50 ppb
● o-Xylene 22 ppb

1140 01-019 BH 0.5-2.0 10g
● Benzene 3 ppb
● Toluene 3 ppb

✓

5 APRIL 95

(11)

.... 01-019 BH 0.5-2.0 10g (CONT)

- E-BENZENE 2 ppb
- m,p-XyLENE 10 ppb
- o-XyLENE 9 ppb

1153 01-019 BH 2.5-4.0 10g

- BENZENE 4 ppb
- ToluENE 1 ppb
- E-BENZENE 1 ppb
- m,p-XyLENE 3 ppb

1205 100 PPB BTEX STD

CAL 100 ppb 100 ppb 100 ppb 100 ppb 100 ppb

- BENZENE 92 ppb
- TOLUENE 83 ppb
- E-BENZENE 78 ppb
- m,p-XYLENE 153 ppb
- o-XYLENE 76 ppb

1221 AIR BLANK

- ToluENE 1 ppb
- E-BENZENE 4 ppb
- m,p-XyLENE 11 ppb
- o-XyLENE 9 ppb

1236 01-024 BH 0.5-2.0 10g

- BENZENE 3 ppb
- ToluENE 2 ppb

[Handwritten signature]

5 JUL 51

(12)

.... 01-024 GH (CON'T)

- E-Benzene 2
- m,p-Xylene 11
- o-Xylene 6

1251 100 PPB BTX STD

| | | | |
|------------|-----|-----|-----|
| Benzene | 93 | ppb | ppb |
| Toluene | 100 | ppb | ppb |
| E-Benzene | 98 | ppb | ppb |
| m,p-Xylene | 201 | ppb | ppb |
| o-Xylene | 101 | ppb | ppb |

1307 CALL FEDEX for pickup of samples & Equipment. [ORH199]

1312 CALL AIR Products to pick up AIR bottle.

1315 CALL Bualington Express to pick up equipment for shipment to SAN ANTONIO.

1320 Begin breaking down and packing ALL equipment for shipment.

1600 Done packing. Waiting on FEDEX.

1630 FEDEX ARRIVES



1652 leave base
1705 AT hotel



gryzda

9.4

Handwritten signature or initials.

THURSDAY

6 APRIL 95

0845 leave for Base

0900 At Base

→ RAMADA

225 McChesler Hwy

(617) 889-5250

0905 CALL RAMADA to check on

check in time

0916 Meet with Base Commander
for debriefing.

0945 Done. Check site for last

time

1000 Air Products here to get

Air bottle.

Walk site

1100 DEPART.

Tolls: 40.50

1.10

1.60

1200 At Ramada.

8.0 hrs
~~3.3~~
JB

[Signature]

Travel copy

EST
0830 leave hotel
 ↓
1630 Home

9.0 hrs

GC SETUP PROCEDURE

Location

Place the GC upwind from the drilling locations and any other nearby engine exhaust sources. The GC should also be within reach of a 110 VAC power source. Refer to Figure 1 for setting up the GC.

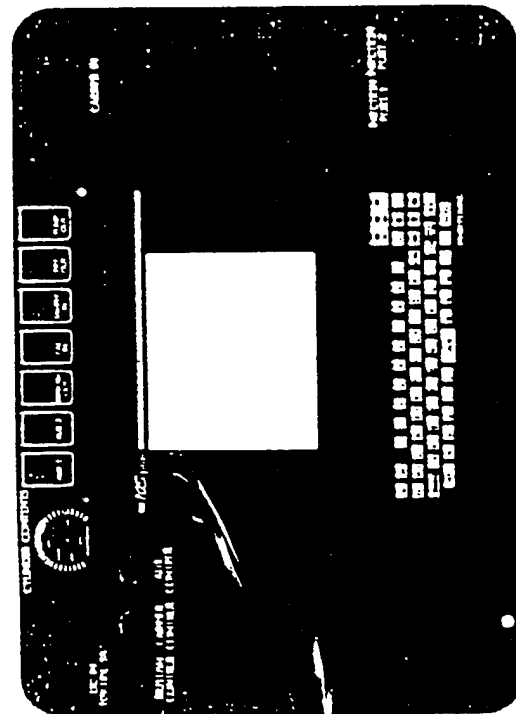


Figure 1 10S + Top Panel.

Power & Software Loading

Connect AC line power to the 10S + GC at the DC IN port on the upper left corner of the GC, and then turn the unit on by pressing the ON button on the computer keyboard. The 10S + SYSTEM FUNCTION screen will be showing, with a message that a RAM card is not present. At this time, the APPLICATIONS CARD (blue with red data) should be inserted into the lower right side of the computer. In order to load the GC software which is used for headspace analyses. Using the LOAD command, load the file GC FUNCTION (see Figure 2).

While still in the 10S + SYSTEM FUNCTION, use the TIME/SETUP command to set the correct time and date, as shown in Figure 3. After this is correctly set, switch to the GC operation software by pressing the FCN button. The screen which appears is

referred to as the results screen, and is titled 10S + GC FUNCTION. This screen shows current GC operation, and the chromatogram and detected peaks of the last analysis (see Figure 4).

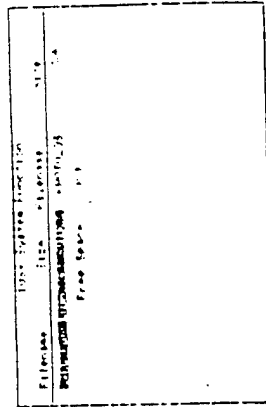


Figure 2 Loading GC Software.

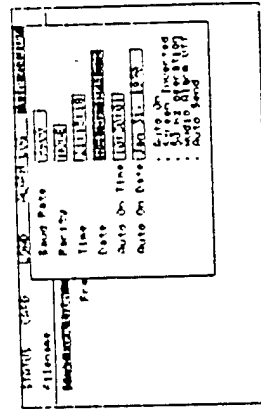


Figure 3 Setting Time and Date.

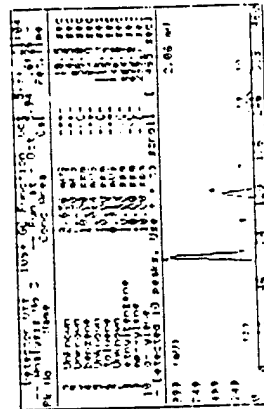


Figure 4 10S + GC Function.

STANDARD OPERATING PROCEDURES FOR PHOTOVAC 10S+ GAS CHROMATOGRAPH (FIELD SCREENING FOR NATIONAL GUARD FIELD WORK)

SUMMARY OF GC ANALYSIS PROCEDURE

Calibration

Prepare 100 ppb, 1 ppm, and 10 ppm working standards (fresh each day according to the GC CALIBRATION section. Create a 3 point calibration with these three standards, according to the GC CALIBRATION and GC ANALYSIS sections. Be sure that correct standard concentration values are used for peaks representing more than one component, as recognized by the GC (e.g., 2 ppm for m,p-xylene peak).

Sample Analysis

Pipette and analyze headspace from soil and water samples according to SOIL AND WATER SAMPLE PREPARATION. All samples will be consistently warmed in the water bath before headspace injection. If sample results are significantly greater than the 10 ppm standard (e.g., greater than 60 ppm for total RTEX), then the sample must be reanalyzed with dilution as needed to bring it into range of the standard used. Diluted samples are achieved either by injecting smaller gas volumes onto the GC or using less soil in preparing the headspace sample, as detailed in the GC ANALYSIS section. After analysis of every five samples (or after a lapse in GC operation of more than 2 hours), a QA/QC check must be performed, consisting of a calibration check and an air blank check.

QA/QC Check

Perform a calibration check by analyzing an appropriate working standard again. If, after shooting a working standard, correct identification of all standard compounds and concentrations within the range of 80-120% of the specified calibration concentration is not achieved, then restore the standard compounds, peak numbers, and calibration concentrations in the library as detailed in GC CALIBRATION CHECK.

Perform an air blank check by injecting an open air sample into the GC. If the results are not "clean" (close to or less than 10 ppb for all analytes), then perform more stringent decontamination procedures on the syringe used for sample injection or evaluate whether there are significant volatiles present in the ambient air. Once a successful QA/QC check has been completed, proceed with analysis of samples again.

Data Reporting

All injections, including successful and unsuccessful QA/QC checks, must be reported on the FIELD GC DATA SUMMARY. Changes in flowrate and other GC operating parameters must also be recorded as analyses progress. All concentrations reported in the SUMMARY should be recorded with no more than three significant digits, with the last digit reported being the ppb singles digit (e.g., record 5.673 ppb as 5.670 ppb, and record 24.856 ppb as 25 ppb).

OCTOBER 7, 1994

OPERATIONAL TECHNOLOGIES CORPORATION
ENVIRONMENTAL SERVICES DIVISION

GC PROGRAMMING FOR ANALYSIS

- Before carrying out analyses, certain operating parameters must be set for their values checked for proper and efficient operation of the GC to occur. The important parameters, their suggested values, and the command under which they are accessed are given in Table 1.

Table 1
GC Operating Parameter Values

| Command | Parameter | Value |
|---------------------------|-------------------------|--|
| STATUS | Normalized Chromatogram | Yes (checked) |
| METHOD/SETUP | Detector Flow | 10-15 mL/min (rotation only) |
| METHOD/SETUP | P/F Flow | 10-15 mL/min (rotation only) |
| METHOD/SETUP | Oven Set | 50-50° C |
| METHOD/SETUP | Gain | 1.000 |
| METHOD | Loop or Syringe | Syringe (checked) |
| METHOD/TIMING | Inject Volume | 0.100 mL |
| METHOD/TIMING | Analysis Time | 400.000 sec |
| METHOD/INTEGRATION METHOD | Integration | Auto (checked) |
| NOTES | NotePad Entry | Enter standard information, such as GC operator name, ANG Base/Station, and sample ID. |

- Use the commands specified in Table 1 to set the required values, including gain, syringe injection, injection volume, analysis time, and integration method. If auto integration is selected, the window and minimum area parameters do not need to be set. If manual integration is selected, enter a window value of 10% under METHOD/INTEGRATION METHOD. When the GAIN is set to 1000 and the Normalized Chromatogram is selected, the computer will automatically select the best gain value for the current chromatogram.

- User supplied data can be entered for record purposes using the NOTES command. This will be used to keep track of samples on 2.3 field projects. Simply enter the desired information using the keyboard on the computer. The following information should be entered:

- < name of GC operator >
- < name of National Guard Base or Station >
- < monitoring well or borehole designation > depth of sample interval (feet) >

The last line of information will be changed appropriately for each soil or water sample analyzed. These data lines must be filled out correctly for each sample and standard analyzed for record purposes. As shown in Figure 7, there is a large area available for further information in this NOTEPAD.

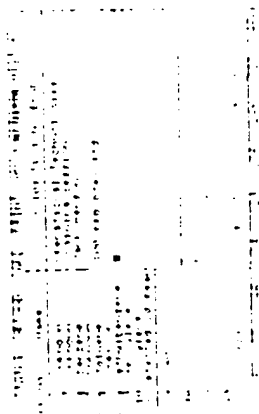


Figure 7 GC Notepad

GC ANALYSIS OF SAMPLES OR STANDARDS

- Headspace from samples or working standards are analyzed on the GC to determine the presence and concentration of HIFX or other compounds of interest. Before injecting headspace from a sample or working standard into the GC, the working standard VOA vial must be warmed to room temperature. This will be accomplished by placing the VOA vial containing the standard or sample in the water bath for 15 minutes prior to vapor sample injection. The temperature of the water in this bath will be kept constant, at anywhere from 25° to 30° C, using the small aquarium heater and a thermometer.
- To perform a GC analysis or GC run, push RUN AUTO and select SAMPLE. Take a 100- μ L or 500- μ L sample syringe and draw in 100 μ L of clean air. Insert the needle through the septa in the vial and repeatedly purge and draw 100 μ L (0.100 mL) of headspace into the syringe 10-15 times. Then draw exactly 100 μ L of headspace into the syringe.
- Push ENTER on the GC. Now quickly extract the syringe from the working standard vial and insert it into the INJECTION PORT 1. Let the needle go down until you feel the resistance of the septa in the injection port. Once the alarm begins to sound, push the syringe through the septa and all the way down into the injection port. IMMEDIATELY after the alarm goes off, QUICKLY inject the contents of the syringe into the GC and pull the syringe out of the injection port.
- The GC will now analyze the sample or standard. The duration of the analysis will be that time, in seconds, which was entered for ANALYSIS TIME during the GC programming steps. Peaks will appear representing the compounds in the sample. To stop the run before it is complete, if an obvious error has been made, press the RUN AUTO button. After a run is complete, the compounds detected and their concentrations will be printed in a table format above the chromatogram on the video screen.

Printer

Connect the dot matrix printer to the GC using the serial output cable. The cable connects to the GC at the upper right corner of the video screen. Connect AC power to the printer, turn it on and be sure it is on line. Communication between the GC and the printer can be tested by using the PRINT SCRN key to print out a copy of the current video screen display.

Gas Cylinder

The carrier gas for the GC is provided by continuous supply through direct connection to the air cylinder. The connection of gas to the GC follows this procedure (see pages 4-6 to 4-7):

DIRECT CONNECTION TO AIR CYLINDER: Attach regulator with two pressure gauges to the air cylinder, using Teflon tape on the cylinder adapter threads to insure a good seal. Attach the quick connect coupling to the CARRIER IN port on the GC. Open the valve on the cylinder several full turns, and then adjust the large valve on the regulator so that the second pressure gauge reads 40 psi. Open the small on/off valve on the regulator to supply air to the GC.

Gas Flow

The carrier gas flowrate through the GC column affects the retention time of peaks and thus the correct chemical identification of those peaks. Therefore, the accurate setting and close monitoring of the flowrate is of utmost importance. Once set, the flowrate must never be altered during a GC run. If the flowrate is altered in the midst of a series of analyses, then a recalibration must be performed to correctly reset the retention times of the components in the standard.

The carrier gas flowrate is adjusted with the use of a flowmeter provided with the instrument. The flowmeter may be either a digital bubble flowmeter (requires a dilute soap solution in the pipette bulb) or dual rotameters. Use the following procedure (refer to page 4-7):

With the dual rotameter, attach the left flowmeter to the DET OUT and the right flowmeter to the BK FLUSH OUT using the 1/8" Swagelok fittings and lines provided (see Figure 1 for location of fittings). If the digital bubble flowmeter is used, then switching the line between DET OUT and BK FLUSH OUT is required. With gas flowing to the GC, observe the flowrate readings on both of these lines. Both of these flowrates must be adjusted to the same value, in the range of 10-15 mL/min. The adjustment is made using two valves, the CARRIER CONTROL and the BK FLUSH CONTROL. These valves interact with each other, so adjustments will have to be made iteratively. Once the flowrates are set, they should not have to be changed. The DET OUT flowrates should be checked regularly during operation. After checking the flowrates, be sure the sample loop connector is reattached between the BK FLUSH OUT and SAMPLE IN ports. Completely invalid chromatograms will be obtained if this loop connector is not in place.

PID Lamp & GC Oven
The final step in setup of the 10S+ is to turn on the PID lamp and the oven. NEVER TURN ON THE PID LAMP BEFORE BEING SURE AIR IS FLOWING THROUGHT THE UNIT. Turn on the lamp and oven by selecting and checking GC DETECTOR ON under the STATUS command (see Figure 5). Once this is done, lamp status will change

to STANDBY AND TUNING for several minutes. If the lamp does not come on after approximately 10 minutes, then it may be overheating. Turn the whole unit off, allow to cool for 15-20 minutes, and then turn it on and try again. Once the lamp is tuned and ready, successful gas chromatograms will be obtained only if OFFSET LEVEL is less than 100.0 mV and DETECTOR VOLTAGE is greater than 100 V (under STATUS command).

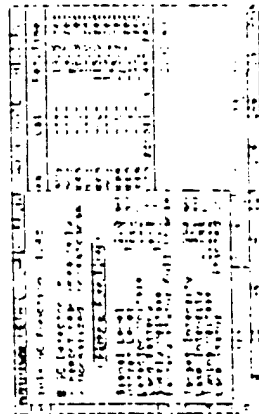


Figure 5 PID Lamp Status.

Selecting GC DETECTOR ON under the STATUS command also turns on the GC oven. The oven temperature is set by selecting the OVEN SET parameter (see Figure 6) under the METHOD/SETUP commands and entering an appropriate temperature (see page 4-2). The difference between the AMB TEMP and the oven temperature setting can be no greater than 25 °C. 40 °C is a suitable oven temperature to select, as long as the ambient temperature is not below 15 °C (59 °F). It will take about 20 minutes to insure the oven is at constant temperature. The GC oven warmup can be monitored by viewing the OVEN TEMP versus OVEN SET values under the METHOD/SETUP command.

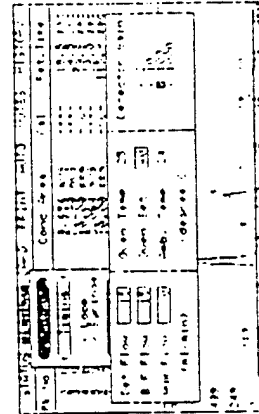
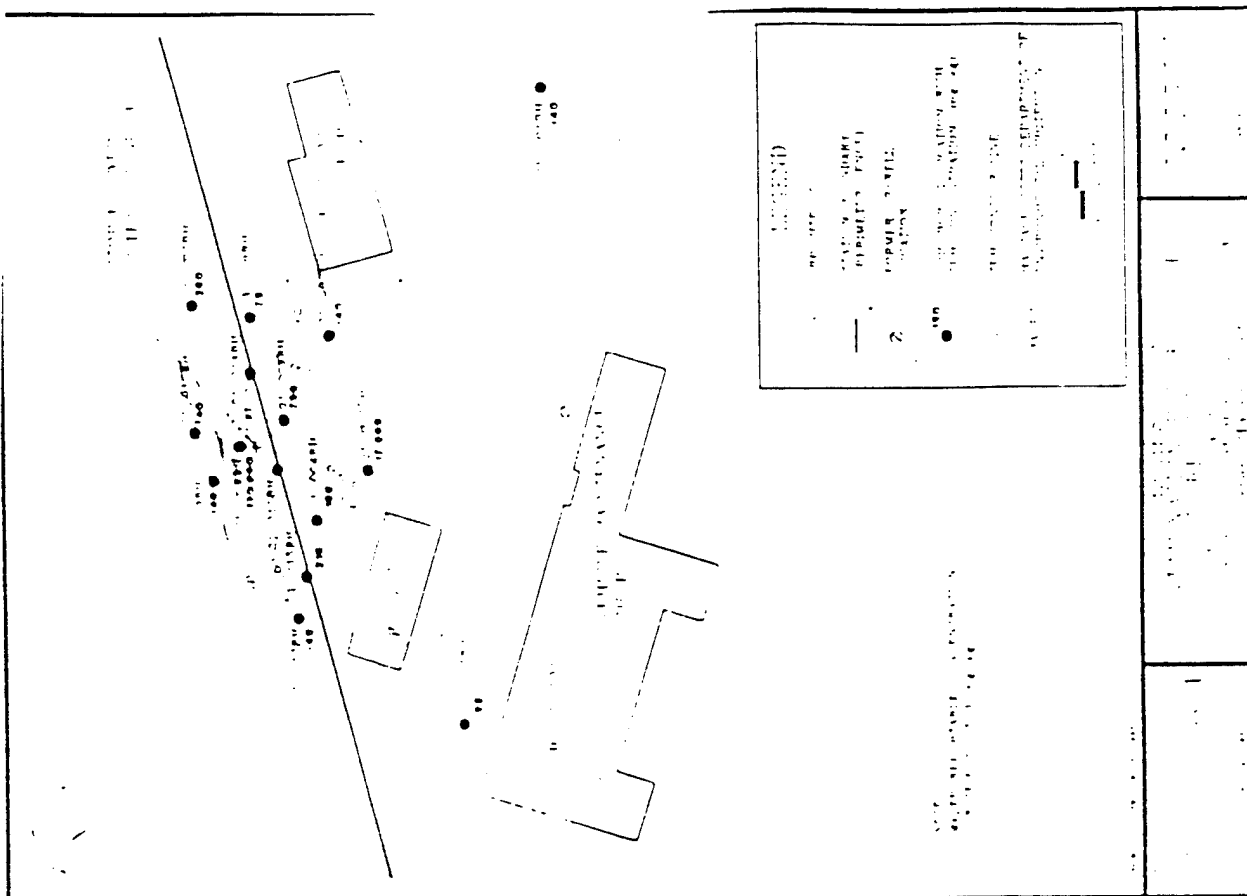


Figure 6 Setting GC Oven.



established as follows: (a) analyze standards containing each analyte separately, and compare retention times to those obtained for the BTEX standard; (b) compare the order of analytes established in (a) to the order (as given by relative retention times) given in Table 3

Table 3
Characteristic Retention Times

| Compound | Retention Times (Normalised to Benzene) | | | |
|----------------------------|---|-------|-------|-------|
| | Ambient | 20° C | 30° C | 50° C |
| Vinyl Chloride | 0.288 | 0.306 | 0.361 | 0.413 |
| Freon 11 | 0.365 | 0.379 | 0.428 | 0.448 |
| Methylene Chloride | 0.475 | 0.489 | 0.539 | 0.585 |
| trans-1,2-Dichloroethylene | 0.517 | 0.529 | 0.563 | 0.580 |
| 1,1-Dichloroethane | 0.550 | 0.557 | 0.611 | 0.669 |
| Chloroform | 0.715 | 0.720 | 0.742 | 0.752 |
| 1,2-Dichloroethane | 0.840 | 0.851 | 0.868 | 0.872 |
| 1,1,1-Trichloroethane | 0.948 | 0.950 | 0.959 | 1.000 |
| Benzene | 1.000 | 1.000 | 1.000 | 1.000 |
| Carbon Tetrachloride | 1.095 | 1.050 | 1.048 | 1.086 |
| 1,2-Dichloropropane | 1.266 | 1.254 | 1.214 | 1.192 |
| Trichloroethylene | 1.413 | 1.396 | 1.342 | 1.361 |
| 2-Chloroethyl Vinyl Ether | 1.667 | 1.644 | 1.551 | 1.539 |
| 1,1,2-Trichloroethane | 2.293 | 2.211 | 1.976 | 1.860 |
| Toluene | 2.693 | 2.621 | 2.358 | 2.339 |
| Tetrachloroethylene | 3.985 | 3.853 | 3.314 | 3.272 |
| Chlorobenzene | 5.153 | 4.962 | 4.148 | 4.076 |
| Ethyl Benzene | 6.223 | 5.985 | 4.882 | 4.743 |
| Bromoform | 6.282 | 5.261 | 4.713 | 4.351 |
| m-xylene | 6.767 | 6.490 | 5.247 | 5.071 |
| o-xylene | 8.145 | 7.826 | 6.234 | 5.979 |
| 1,1,2,2-Tetrachloroethane | 8.311 | 7.190 | 5.943 | 5.345 |

4. The ANALYSIS TIME, DRV3, and DRV4 times can be adjusted to obtain a suitable chromatogram of the working standard, if one like that in Figure 8 is not initially obtained. If the chromatogram does not show any of the last peaks (xylenes or ethylbenzene), the following adjustments should be made in order. After each adjustment, reinject a headspace sample of the working standard and watch for the latter peaks to appear on the new chromatogram

- Adjustment I. Increase ANALYSIS TIME, to 600 or 700 seconds. As an alternative, carefully adjust the carrier gas flowrate upwards to 15 mL/min
- Adjustment II. Adjust the DRV3 and DRV4 off times (under METHOD/TIME/CONFIG command) to the formula $5 + A/6$ (A represents the analysis time)

5. The 3-point calibration is initially created by analyzing the three standards in succession, starting with the lowest concentration, and storing the calibration information (using METHOD/LIBRARY/STORE) for each analyte after each chromatogram is obtained. The process is performed as follows: select METHOD/LIBRARY, select STORE, press ENTER for each compound you wish to store, then fill in the appropriate entries in the LIBRARY STORE WINDOW (peak #, compound name, and Conc.) for each compound (see Figure 9). THIS PROCESS CAN BE SUCCESSFULLY COMPLETED ONLY AFTER THE CHROMATOGRAPHIC ANALYSIS OF A WORKING STANDARD APPEARS IN THE RESULTS WINDOW. The 100-ppb standard is entered as Conc. 1 (as 0.1 ppm), the 1.0-ppm standard as Conc. 2, and the 10-ppm standard as Conc. 3, as each standard is analyzed. Also, Alarm 1 and 2 values should be set to 50 ppm. After the correct concentration is entered for the current analysis, press ENTER. At this time, the GC calculates and stores the correct response factor and retention time for that peak. Repeat this process for each peak or analyte in the current standard, then move on to the analysis and library storing of the next higher standard. Figure 9 shows the library information for benzene after all calibrations are complete while Figure 10 shows the 3-point calibration which has been created.

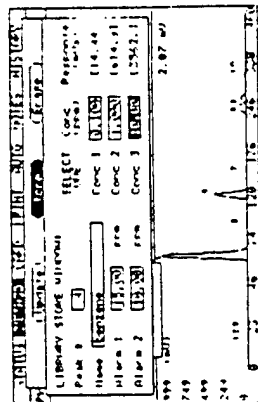


Figure 9 Library Store Window.

After all compound peak numbers and standard concentrations have been entered in the library, select METHOD and REINTEGRATE to reanalyze the last chromatogram and set all compounds to the specified concentrations. Finally, to obtain a hard copy, print out the standard chromatogram by selecting the PRINT/ANALYSIS command.

GC CALIBRATION CHECK

1. The calibration must be checked after analysis of every five samples. Only one of the three standards is used to check the calibration, namely that standard whose nominal concentration is closest to but greater than the concentrations of recent sample results (see ranges shown on calibration curve of Figure 10). For example, if most sample results are running around 300 to 700 ppb, then the 1-ppm standard (medium range) would be used for the calibration check.
2. A calibration check includes performing a repeated analysis of the chosen working standard headspace and reviewing the results printed out. If the compounds are not correctly identified and/or if the concentrations are not close to the nominal standard concentration (80-120% of

5 During a GC analysis, information identifying the sample should be entered in the notes. This is done by simply typing information in the screen using the NOTES command. When an analysis is complete, be sure to always print out a hard copy of it for project records by using the PRINT/ANALYSIS command. If any keyboard keys are hit during the time that the Analysis Report is printing, the printer is stopped, and the process will have to be started over again.

6 One method for dilution of samples for analysis is to inject a smaller volume of gas onto the GC column. For example, if the standard injection volume is 100 µL, then the injection of only 20 µL on sample headspace represents a dilution of 1 to 5. A second method of dilution is to use a mass of soil less than ten grams in preparation of the headspace sample. Thus, using a 1 gram sample would represent a dilution of 1 to 10.

7 The 500 µL syringe is decontaminated after each sample and standard injection by removing the plunger and putting the syringe barrel onto the plastic hose coming from the tee of the air supply line. Slightly open the valve on the tee line to allow air to strip BTEX and other compounds out of the syringe barrel for several minutes.

8 The FIELD GC DATA SUMMARY form (attached to this SOP) should be used to keep track of sampling activities and results in the field. For each injection (all samples, standards, and air blanks), the following information should be entered on the form:

- The depth of the soil sample in feet or appropriate identification of the injection
- GC results (concentrations of all individual analytes and of total BTEX (ppb). All concentrations should be reported in ppb, and with no more than three significant digits (last digit reported is single ppb digit)
- Actual weight of the soil determined by difference (approximately 10 grams)
- Any dilution of the sample required for analysis

Additionally, important GC operating parameters should be recorded on the form, both initial values used and any changes made during analyses, including:

- Temperature of GC oven
- Analysis time and gain settings
- Carrier gas flowrate
- Injection volume

Finally, once the entire 3 point calibration has been initially established for the day, the response factor values (under LIBRARY SOURCE WINDOW (see Figure 9)) and retention times (under METHOD/LIBRARY) for each analyte should be recorded in the bottom table of the Field GC Summary Data.

GC CALIBRATION WITH HEADSPACE STANDARDS

1 Daily working standards are prepared in a clean 40 mL glass VOA vial with teflon septa following the formula below:

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$$C = \frac{SV}{WV} \times SC$$

Where

C = Working standard concentration (ppm).

SV = Volume of stock solution (in microliters).

WV = Volume of deionized water (in microliters) = 10,000 µL typical (10 mL); and

SC = Stock solution concentration (ppm)

Three standards will be prepared and used each day (0.1 (100 ppb), 1.0 and 10.0 ppm standards) to create a 3 point calibration. A standard is prepared by putting 10 mL of DI water in a 40 mL VOA vial, and then adding the required amount of concentrated standard from the stock solution. Preparation of the 100 ppb standard is performed by taking liquid (not headspace) from the 1 ppm calibration standard and diluting it with 10 mL of water in a second 40 mL VOA vial. Table 2 outlines the volumes and final concentrations for these three standards (as calculated by the above formula).

Table 2
Working Standards Preparation

| Working Standard Concentration | Stock Solution | Volume Taken from Stock |
|--------------------------------|-------------------------|-------------------------|
| 10 ppm | 2000 ppm stock solution | 50 µL |
| 1 ppm | 2000 ppm stock solution | 5 µL |
| 100 ppb | 1 ppm working standard | 1000 µL (1.0 mL) |

Always use the appropriate syringe for dispensing very small volumes accurately (e.g., use 500 µL syringe to dispense 500 µL; use 10 µL syringe to dispense 5 µL or less). Shake the vial vigorously to mix after adding all components. Both the stock solution and working standards must always be stored inverted in a refrigerator or an ice chest. New working standards MUST be made fresh daily.

If other components are to be analyzed in addition to BTEX (such as trichloroethylene), then the 10 or 1 ppm standards are prepared by adding the specified volume (50 or 5 µL) from each separate stock solution. Never mix any separate 2000-ppm stock solutions directly together.

2 Analyze standards as described in the GC ANALYSIS section. An example chromatogram of a BTEX working standard is shown in Figure 8, including typical peaks for all of the components. Note that m/p xylene is actually two components represented by one peak. If this is a 1 ppm standard, then this particular peak represents 2 ppm of those components.

3 If additional analytes (trichloroethylene, etc.) are being employed, the peaks are identified amongst the recognizable BTEX peaks and the order of analytes on the chromatogram

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HSM580.1A

Operational Technologies Corporation
OpTech SITE SPECIFIC HEALTH AND SAFETY PLANS
Site Health and Safety Briefings Form

Job Name: _____ Project No. _____
Date: _____ Start Time: _____ Completed: _____
Site Location: _____
Type of Work (General): _____

SITE SAFETY ISSUES

Tasks (This Shift/Day): _____

Protective Equipment/Clothing: _____

Chemical Hazards: _____

Physical Hazards: _____

Control Methods: _____

Special Equipment/Techniques: _____

Nearest Telephone: _____

Hospital Name/Address: _____

Expected Weather: _____

Special Topics (Incidents, actions taken, etc.): _____

ATTENDEES

SIGNATURE

PRINT NAME



FIGURE 1A
ROUTE TO UNIV MASS HOSPITAL
Worcester Air National Guard Station
Massachusetts Air National Guard
Worcester, Massachusetts

EMERGENCY CONTACTS AND AIR MONITORING ACTION LEVELS

EMERGENCY CONTACTS

In the event of any situation or unplanned occurrence requiring assistance, the appropriate contact(s) will be made from the list below. For emergency situations, contact will first be made with the Site Manager (SM), who will notify emergency personnel, and then contact if appropriate response teams. This emergency contacts list must be kept in an easily accessible location at the site.

Worcester Air National Guard Station Contingency Contacts

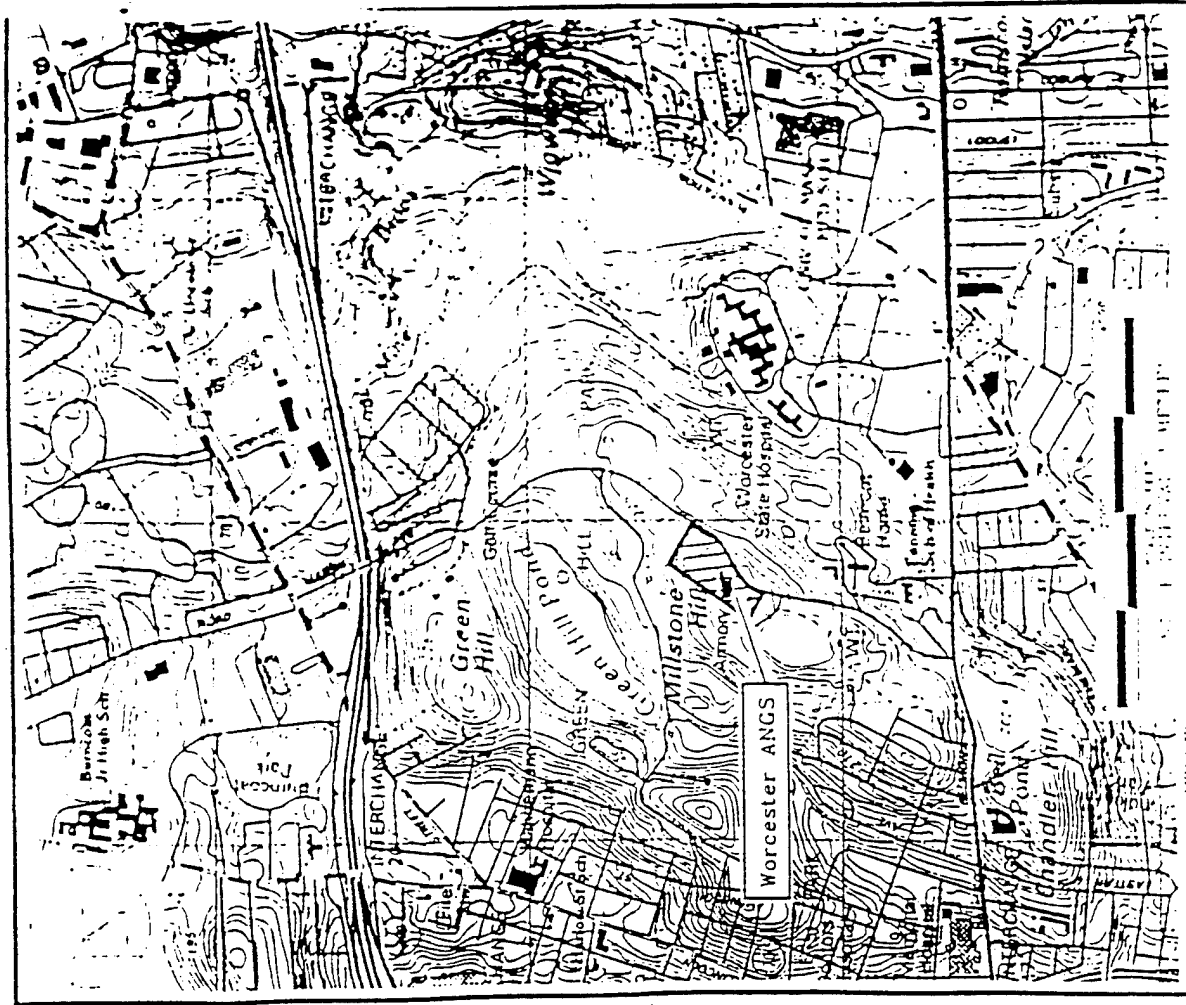
| Contact | Phone Number |
|---------------------------|--------------|
| 1 Lt Col Joe Bellino | 508-799-6965 |
| Worcester Fire Dept | 911 |
| Worcester Police Dept | 911 |
| Massachusetts Electric Co | 508-791-8511 |

Medical Emergency

| Contact | Phone Number |
|--|--------------|
| Hospital - University of Mass Medical Center | 508-856-1511 |
| Ambulance Service | 911 |

Route to Hospital From the main gate of the station, turn right (south) on Skyline Drive, approximately 0.5 of a mile, then turn left (east) on Belmont Street. Go approximately 0.8 a mile to the second set of lights, and turn left (north) on Plantation Street. Go approximately 0.2 of a mile, the Hospital entrance is on the right, follow the signs to the EMERGENCY ROOM.

Travel time from site 5-10 minutes. Map to hospital on following page.



W. J. Sullivan

Jon L. Williams

4100 N. W. Loop 410

(210) 731-0000 Ex 4169

Worcester National Guard
Base / Worcester, MA /
Massachusetts National Guard
J. 6# 1315-199

Important Information

Required Clothing: Zero Hood, Coveralls,
(For weather) Rain Coat, Insulated &
Water Proof Boots, & Insulated Coveralls,

Predicted Weather - Temp. 20° to 50° F
Light Rain (Some freezing rain)

Flight Due Out at: 8:00 A.M.

Monday will be In-Briefing

Important Contacts:

Mr. Pete McGinnis - Facility Engineer
Coordinator
Phone # (508) 799-6963 Ext. 5529
FAX # (508)

Mrs. John Richardson - Environ. Coordinator
Phone # (413) 568-9151
FAX # (413) 572-1565

Items (Special) For log: Decoy, Calibration,
Tailbute Meeting, Weather (esp. Wind Direction)
& Daily log of events.

Date: 4/13/95

Day 1

Weather: Low - 28 High - 50

35% Humidity Low 30%

Tuesday Forecast - Low 30 to 60 High

Wednesday Forecast - Low 30 to 34 High

Arrival Time: 7:54

Briefing

Meeting (McGinnis) 8:00 - 8:30

Safety Meeting 8:30 - 8:40

Start De-Stakeout Rig

Locations - 9:25

10:22 Begin working on G.C.

10:50 Walk-thru with McGinnis

11:30 Lunch & Go Hotel 12:30

12:30 Samples (Ice Chests & Curb,

Inventory & Left Hotel at 12

1:45 Arrived at Base & Work

on PIP Calibration Check

3:00 Brass Steve Accor to

5:00 Decor Vials / Travel Supplies

6:00 Arrive at Hotel

Don Williams

San William

Date 4/4/95

Day 2

Weather - Low 35 14°k-55°k (possibly)

Possible - Rain & Thunder Showers

Breakfast: 7:00

Arrive Base - 7:30

Calibrating Microtip (PID) - 8:00

Safety Meeting - 8:10

Staging - 8:15

Drilling Hole 16 - 9:20

Reading on hole - 5.2 ppm

Reading on sample - 6.2 ppm

Background - 2.5 ppm

Time of Readings - 9:40

Started Drilling 4:15 - 10:00

Second sample at 5:40 10:00

Reading on hole - 38 ppm

Reading on sample - 338 peak

200 ppm

Third sample at 6:47 -

Reading on hole - 10.8 ppm

Reading on sample - 102 ppm

Volatile Samples

0101 13 ppm 01017-2 - 14.7 ppm

Date 4/4/95

Day 2

Drilling Holes 17 - 11:00 P.m.

Background Reading - 6.8 - 7.2 ppm

At 11:10 AM

Reading on Hole - 7.2 - 7.5 ppm

Reading on Sample - 8.3 ppm

Hole Reading 11:15 - 4.2 ppm

Hole Reading 11:30 - 5.2 ppm

Sample Reading - 6.5 ppm

At 7' at 11:43 -

Hole Reading - 5.2 ppm

Sample Reading - 7.0 ppm

Lunch 11:55

Hole #18 12:50

13:00 AM

Sample - 11.5 ppm

Hole - 9.2 ppm

13:11

Hole - 5.2 ppm at 3.5'

Sample - 6.8 ppm

13:25 - 6'

San William

Date 4/4/98 Day 2

Hole 20 - 13:30 Setups
13:50 -

Hole - 3:2 ppm After Sample 4:2 ppm

Sample - 3.3 ppm

Hit bedrock at 3' at 14:00

Hole at 14:10 - 5.2 ppm

Hole 21 at 14:23⁴⁰ 3.3 ppm

Hole 11 at 14:23⁴⁰ - 3.2 ppm

Sample - 5.9 ppm Check

14:52 Sample OK
Volatiles Wiles

01020 - 11.3 ppm

01021 - 11.9 ppm

14:52 Preparing Equipment
for 4-5-98

15:00 Take Field Blanks

15:25 Field Blanks Complete

15:30 Take Equipment Blanks

16:00 Equip. Blanks Complete

4/4/99

16:12 Packing Samples

16:42 Packing Composites

16:45 Wrapping Spoons

17:00 Fold & Ship Samples

17:17 Back in Hotel

Jon Williams

4/5/95

Day 3

Weather - Boston Low 23°F
Boston High 34°F

Worcester - Low - 12° to 15°F
High - 24° to 28°F

Arrival Time - 8:10
Safety Meeting - 8:25
Calibrating ITH - 8:40
Hole #123 - Preparation - 9:00
Boring Hole #123 - 9:13 - 9:20
Hole Reading - 0 ppm
Sample Reading - 2.0 ppm

Hole - 22 - 9:45
Hole Reading at 9:55 - 4.4 ppm
Sample Reading at 9:58 - 6.4 ppm

3' - 10:10
Hole Reading - 2.2 ppm
Sample Reading - 5.1 ppm

4/5/95

Day 3

Hole #9 - 10:30
Hole Reading - 2.2 ppm
Sample Reading - 4.4 ppm
10:52 - 2nd Sample
Prep #1 to 7 readings - 0.0
Prep #2 - 2.5 to 4.0
Sample Reading - 5.4 ppm

Volatiles (Amb.) - 11:00

01022 - 4.6 ppm

01023 - 6.1 ppm

Hole 24 - 11:05

Sample - 11:12

Hole Reading - 2.2 ppm

Sample Reading - 2.4 ppm at 11:20

Volatiles (Amb.)

01024 - 1.2 ppm

Lunch - 11:55

12:30 Update Paperwork

Don Williams

4/5/95

4/5/95
13:20
13:50
15:30
16:00
16:30
17:00

Day 3
Equipment Blank
Field Blank
Burns + Lubricating
Waxing + Cleaning
Finishing Light Machine
for Fedax
Arrived at Hotel

4/6/95

9:00 Arrived at Base

9:05 light. Through

9:20 i.e. Briefing Meeting with
Commander

9:45 Finished Meeting

9:47 Checked Caps in Briefings

~~8~~ removed tags

11:00 Disappeared

1 Day 5

9 a.m.

William

William

Destry Greenway

4100 NW Loop 410 Ste. 230
San Antonio, TX 78229
210-731-0000

Worcester Addendum 13/5-199

3 Decon procedures
4-8 Chronology of events

Friday 3-31-95

0830 - Pre-mobilization meeting
0915 - Meeting over

No further entries
Desty Draney

②

Sunday 4-2-95

06:00ST Left apartment to pick-up Earl
05:17ST for flight
05:17ST Arrive at motel in Worcester

No further entries
Duty Bureau

③

Decon procedure

1. wash with brush in water with Alconox
2. rinse with drinking-quality water
3. rinse with ASTM Type I water
4. rinse with pesticide-grade methanol
5. allow to air dry
6. wrap in aluminum foil

No further entries
Duty Bureau

Monday 4-3-95

0730 Left motel
 0750 Arrive at base
 0800 Walked base to become familiar with it.
 0825 Unload boxes
 0840 Safety briefing by Earl.
 Unload more equip.
 0928 Begin staking boring locations
 1022 Begin working on GC
 1050 Walked locations with Pete McGinnis
 1130 Left base to go to hotel
 1230 Left hotel for lunch break
 1345 Arrived at base. Set up equip. for charging. Calibrated PIDs, set up GC.
 1500 Begin decon of sleeves and caps.
 1650 Decon complete
 1710 Leave base to go to store.
 1745 Leave store (bought fire extinguisher etc. for job)
 1800 Arrive at motel

N₂, further

Tuesday 4-4-95

06:25 Left motel to eat breakfast
 07:45 Arrive at base. Begin setting up decon.
 08:10 Safety briefing with Jon Williams.
 09:00 Begin decon 01-016 BH
 10:10 Decon complete 01-016 BH
 10:50 Begin decon 01-017 BH
 12:05 Decon complete 01-017 BH
 Break for lunch
 12:40 Return from lunch
 13:00 Begin decon 01-018 BH
 13:30 Decon complete 01-018 BH
 13:30 Begin decon 01-020 BH
 14:00 Decon complete 01-020 BH
 14:00 Begin decon 01-021 BH
 14:20 Decon complete 01-021 BH
 14:20 Decon complete 01-021 BH
 Decon spoons for 4.5-95 (next day)
 14:55 Decon complete
 15:00 Take field blank
 15:25 Field blank complete
 15:30 Take equipment blank
 (continued)

⑥

16:00 Equip. blank complete. Seal and
prepare ice chests for shipment
16:45 Wrap spoons in foil
16:55 Leave base
17:05 Arrive at Fedex
17:20 Arrive at motel

No further entries
Dusty Drang

⑦

wednesday 4-5-95

Leave motel to eat breakfast.

Arrive at base

Safety briefing given by Jon Williams

Set up decon

Begin decon for sample spoons
(Since there will be only 1 or

2 samples per boring and there
are 3 spoons, no attempt will
be made to differentiate one
boring from another on decon
times.)

Decon complete on spoons for
borings

Break for lunch

Return from lunch

Take equip. blank sample

Decon 3 spoons for shipment

To San Antonio. Begin packing
and cleaning up.

Leave base

Arrive at motel

0700

0810

0820

0825

0925

1130

1155

1230

1320

1340

1640

1700

N₂

(8)

Thursday 4-6-95

0800 Leave motel for breakfast
0850 Arrive at base
0915 Out briefing with LTC. Joseph
Bellino ~~base~~
~~Leave by~~
1100 Leave base

No further entries
Dests Draining

PROJECT NAME: Worcester Addendum Site Investigation
PROJECT LOCATION: Worcester ANCS, Worcester, Massachusetts
PROJECT NO.: DAH390-93-D-0005/0019 1315-199
LOGGER: Earl E. Parker II
DRILLING CO.: Technical Drilling Services (TDS)
DRILLER: Peter Newham

DRILLING METHOD: Hollow Stem Auger
BORING/WELL NUMBER: 01-016 BH
RIG: Auger AD 2 Drill Rig and 4.25" (ID) Augers
WEATHER: Cool, Breezy, Driest; Temp 49°F
DATE DRILLED: 4 April 1995
SURFACE ELEVATION: 764.5'

SAMPLING METHOD: California Style Silt Spoon Sampler
DEPTH DRILLED: 10.0' BLS
DEPTH TO WATER: No Water Encountered
DATE MEASURED: Not Applicable
TOC ELEVATION: Not Applicable
PAGE 1 OF 9

| SAMPLE DEPTH | BLOW COUNTS | | % REC | LAB SAMPLE INTERVAL | FIELD SCREENING | | | ASTM Soil Classification Codes | DEPTH | | DESCRIPTION |
|--------------|-------------|----|-------|---------------------|------------------|------------|--------------|--------------------------------|-------|------|---|
| | | | | | PID (ppm) | ATHA (ppm) | Field Notes | | FROM | TO | |
| 0.5 - 2.0 | 10 | 18 | 50 | 100 | INT 1 0.5-2.0 | 3.0 | 13.0 | SW | 0.5 | 2.0 | Brown to dark gray, very poorly sorted sand and coarse sand, little silt. Loose, slightly moist. (Fill material) |
| 2.0 - 5.0 | - | - | - | - | - | - | - | SW | 2.0 | 5.0 | " |
| 5.0 - 7.5 | - | - | - | - | - | - | - | SW | 2.0 | 5.0 | " |
| 7.5 - 9.0 | 23 | 28 | 31 | 65 | INT 2 7.5-9.0 | 230 | Not Obtained | SM | 7.5 | 9.0 | Brown to Dark Gray con. sand and gray l. medium to coarse sand, low to slight cohesion, silty sand slightly moist. Petroleum odor (Fill material) |
| 9.0 - 10.0 | - | - | - | - | - | - | - | SM | 9.0 | 10.0 | " |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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OPTECH

4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253

NOTES: Fill, loose, coarse grained. Not able to collect enough sample to conduct ATHA or Interval 2 sample. Slight petroleum odor at 7.5' BLS. Obtain Interval 2 sample from 7.5-9.0' BLS. Bedrock encountered at 10.0' BLS. Asphalt from Surface to 0.5' BLS.

PROJECT NAME: Worcester Addendum Site Investigation

PROJECT LOCATION: Worcester, ANG, Worcester, Massachusetts

PROJECT NO.: DATA 9310 00050039 1115-199

LOGGER: Earl E. Parker II

DRILLING CO.: Technical Drilling Services (TDS)

DRILLER: Peter Newham

DRILLING METHOD: Hollow Stem Auger

BORING/WELL NUMBER: 01-017 BSH

RIG: Acker AD-2 Drill Rig and J25" (ID) Auger

WEATHER: Cool, Breezy, Cloudy 55°F

DATE DRILLED: 4 April 1995

SURFACE ELEVATION: 768.9'

SAMPLING METHOD: California Style Split Spoon Sampler

DEPTH DRILLED: 7.0' BLS

DEPTH TO WATER: No Water Encountered

DATE MEASURED: Not Applicable

TOC ELEVATION: Not Applicable

PAGE 2 OF 9

| SAMPLE DEPTH | BLOW COUNTS | | % REC | LAB SAMPLE INTERVAL | FIELD SCREENING | | | ASTM Soil Classification Codes | | DEPTH | | DESCRIPTION |
|--------------|-------------|----|-------|---------------------|-----------------|------------|------|--------------------------------|--|-------|-----|---|
| | | | | | PID (ppm) | ATHA (ppm) | | | | FROM | TO | |
| 0.5-2.0 | 19 | 30 | 44 | 90 | Int 1 | 6.2 | 14.7 | SW | | 0.5 | 2.0 | Gray to Brown fill material. Cons to Medium sand. Black charcoal fill in upper part. Loose to slightly cohesive slightly moist. Gravelly. |
| 2.0-5.0 | - | - | - | - | - | - | - | SW | | | | Brown to Dark Brown sand and silty sand. Cons sand and gravel and silt. Slightly cohesive and moist |
| 5.0-7.0 | 5 | 6 | 50 | 65 | Int 2 | 6.8 | 14.7 | SM | | 5.0 | 7.0 | |
| | | | | | | | | | | | | |
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OPTECH

4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253

NOTES: Fill, loose coarse sand and gravel becoming more silty near the bottom. No odor. No water encountered. Bedrock at 7.0' BLS. Asphalt from surface to 0.5' BLS

PROJECT NAME: Worcester Addendum Site Investigation

PROJECT LOCATION: Worcester, MA, Worcester, Massachusetts

PROJECT NO.: DAHS90-93 D-00050039 1315-199

LOGGER: Earl E. Parker II

DRILLING CO.: Technical Drilling Services (TDS)

DRILLER: Peter Newham

DRILLING METHOD: Hollow Stem Auger

BORING/WELL NUMBER: 01-018 BH

RIG: Acker AD-2 Drill Rig and 425" (ID) Augers

WEATHER: Cool, Breezy, Cloudy: Temp 55°F

DATE DRILLED: 4 April 1995

SURFACE ELEVATION: 767.5'

SAMPLING METHOD: California Style Split Spoon Sampler

DEPTH DRILLED: 6.0' BLS

DEPTH TO WATER: No Water Encountered

DATE MEASURED: Not Applicable

TOC ELEVATION: Not Applicable

PAGE 3 OF 9

| SAMPLE DEPTH | BLOW COUNTS | | % NUC | LAB SAMPLE INTERVAL | FIELD SCREENING | | | ASTM Soil Classification Codes | DEPTH | | DESCRIPTION COMPOSITION, STRUCTURE, CONSISTENCY, COLOR, DEGREE OF MOISTURE, ODOR |
|--------------|-------------|----|-------|---------------------|-----------------|------------|------|--------------------------------|-------|-----|---|
| | | | | | PID (ppm) | ATHA (ppm) | | | FROM | TO | |
| 0.5-2.0 | 21 | 41 | 50 | 75 | Int 1 | 7.8 | 14.9 | SW | 0.5 | 2.0 | Brown to Dark Brown coarse sand, sand, and gravel fill material. Some silty sand. |
| 2.0-5.0 | - | - | - | - | - | - | - | SW | 2.0 | 5.0 | loose to slightly cohesive and slightly moist |
| 5.0-6.0 | 11 | 50 | - | 80 | Int 2 | 13.5 | 137 | SW | 5.0 | 6.0 | " |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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OPTECH

4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253

NOTES:

Fill material, uniform in nature to bedrock. Bedrock encountered at 6.0' BLS. No water encountered, No odor detected. Asphalt from surface to 0.5' BLS.

PROJECT NAME: Worcester Addendum Site Investigation

PROJECT LOCATION: Worcester ANCS, Worcester, Massachusetts

PROJECT NO.: DA11A90-93-D-0005/0039 1315-199

LOGGER: Earl E. Parker II

DRILLING CO.: Technical Drilling Services (TDS)

DRILLER: Peter Newsham

DRILLING METHOD: Hollow Stem Auger

BORING/WELL NUMBER: 01-021 BH

RIG: Acker AD-2 Drill Rig and 4.25" (ID) Augers

WEATHER: Cool, Breezy, Cloudy

DATE DRILLED: 4 April 1995

SURFACE ELEVATION: 769.1

SAMPLING METHOD: California-Style Split Spoon Sampler

DEPTH DRILLED: 1.0' BCS

DEPTH TO WATER: No Water Encountered

DATE MEASURED: Not Applicable

TOC ELEVATION: Not Applicable

PAGE 5 OF 9

[illegible]

OPTECH

**4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253**

NOTES: Very shallow soil horizon. Bedrock at 1.0' B.C.S.

Asphalt from 0.0 to 0.5' B.C.S.

PROJECT NAME: Worcester Addendum Site Investigation

PROJECT LOCATION: Worcester ANG, Worcester, Massachusetts

PROJECT NO.: DALLA90-93-D-0005/0039 1315-199

LOGGER: Earl E. Parker II

DRILLING CO.: Technical Drilling Services (TDS)

DRILLER: Peter Newsham

DRILLING METHOD: Hollow Stem Auger

01-023BH

RIG: Acker AD-2 Drill R/g and 4.25" (1D) Augers

WEATHER: Very cold, windy. Partl, Cloudy

DATE DRILLED: 5 April 1995

SURFACE ELEVATION:

SAMPLING METHOD: California-Style Split Spoon Sampler

DEPTH DRILLED: 1.5' BLS

DEPTH TO WATER: No Water Encountered

DATE MEASURED: Not Applicable

TOX ELEVATION: Not Applicable

PAGE 6 OF 9

[illegible]

OPTTECH

4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253

NOTES: 11 mi. S.W. of Soil horizon. Bedrock encountered at 15' BLS.

Asphalt from surface to 0.5' b/c

PROJECT NAME: Worcester Addendum Site Investigation

PROJECT LOCATION: Worcester ANG'S, Worcester, Massachusetts

PROJECT NO.: DAH1A90-93-D-0005/0039 1315-199

LOGGER: Earl E. Parker II

DRILLING CO.: Technical Drilling Services (TDS)

DRILLER: Peter Newsham

DRILLING METHOD: Hollow Stem Auger

BORING/WELL NUMBER: 01-022 BH

RIG: Acker AD-2 Drill Rig and 4.25" (ID) Augers

WEATHER: Very cold, windy, Cloudy

DATE DRILLED: 5 April 1995

SURFACE ELEVATION: 2.011

SAMPLING METHOD: California-Style Split Spoon Sampler

DEPTH DRILLED: 2.5' BLS

DEPTH TO WATER: No Water Encountered

DATE MEASURED: Not Applicable

TCC ELEVATION: Not Applicable

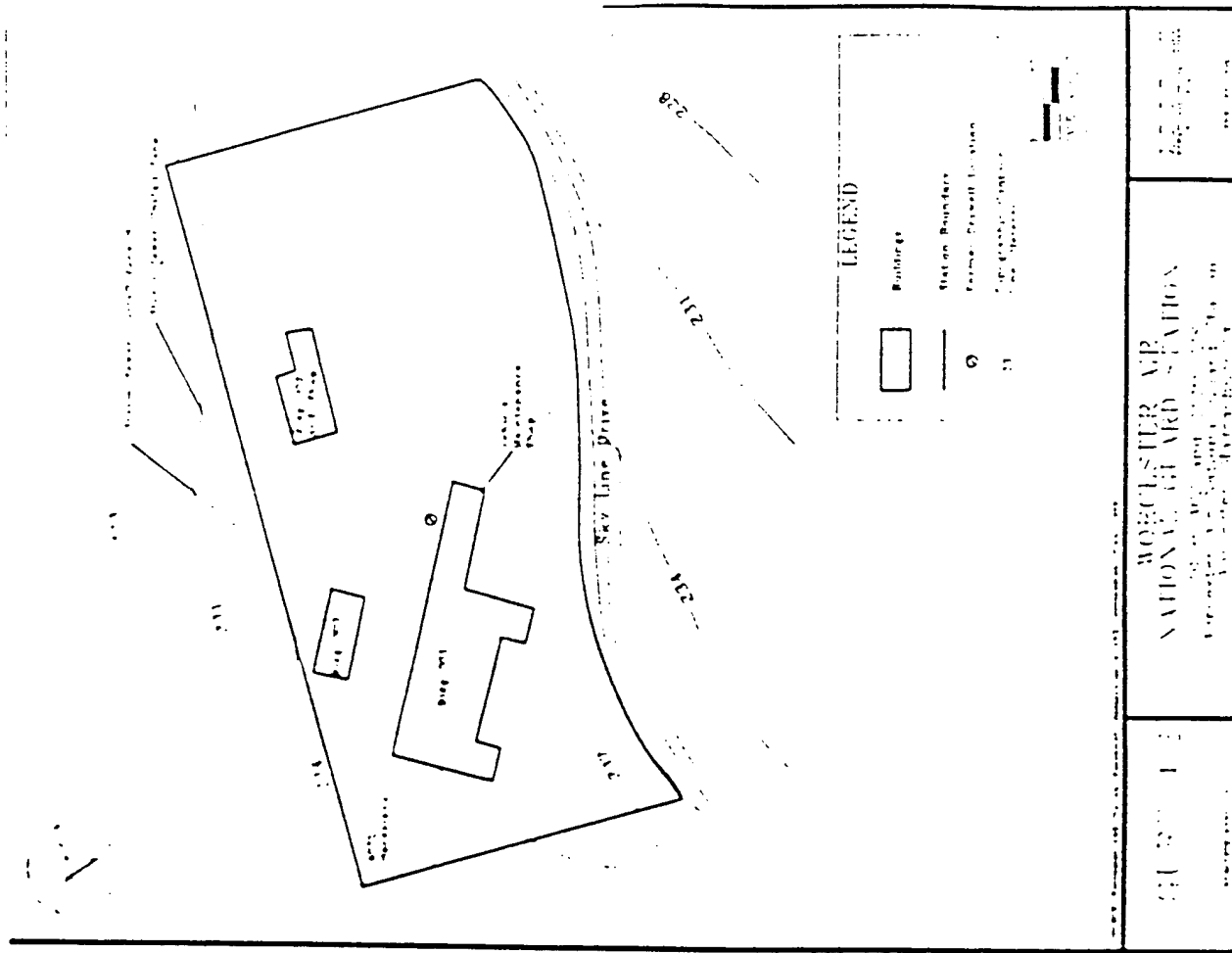
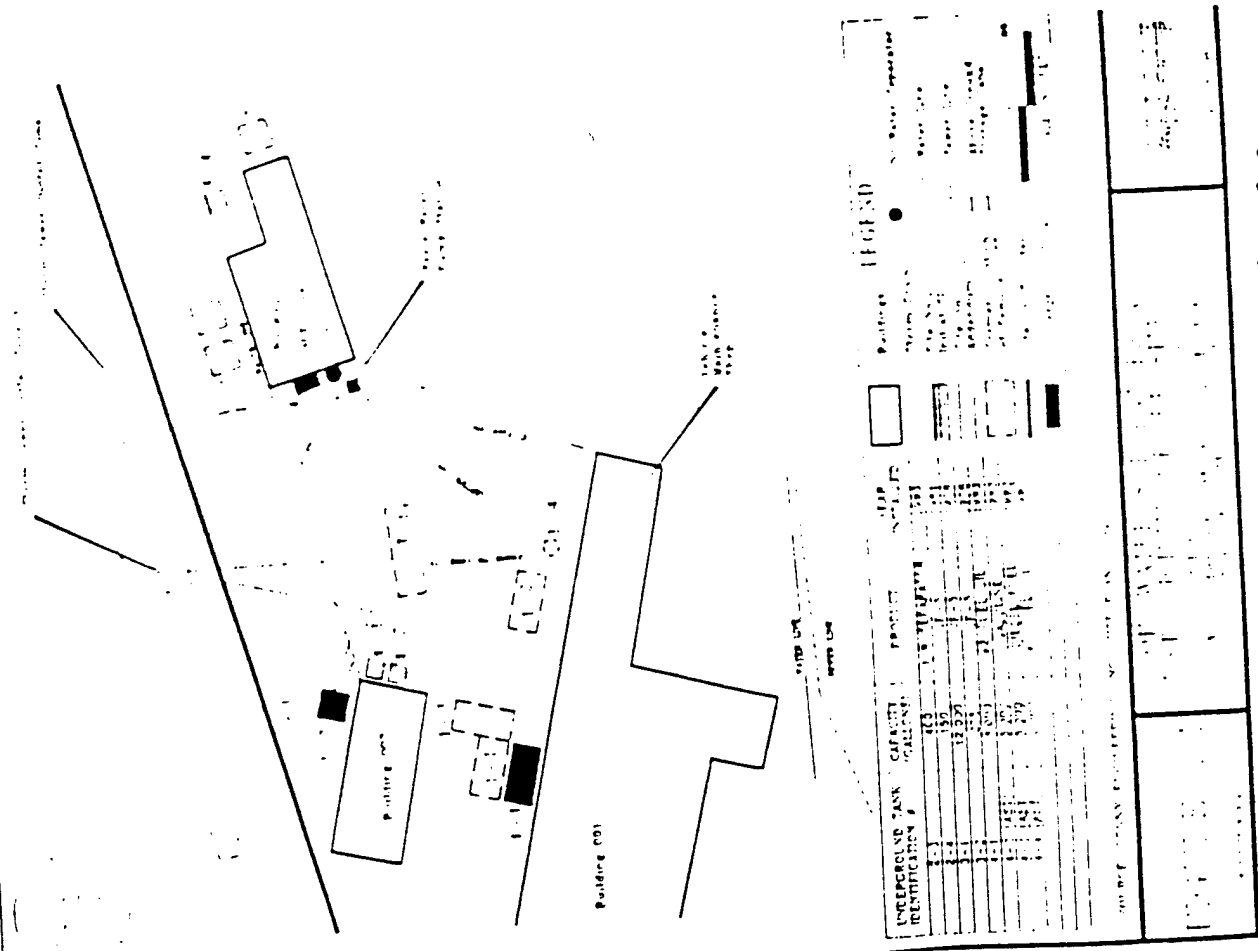
PAGE 7 OF 9

[illegible]

OPTTECH

**4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253**

NOTES: Very shallow soil horizon. One sample interval obtained.
Bedrock encountered at 2.5' BLS.
Asphalt from surface to 0.5' BLS



Handwritten signature/initials

Operational Technologies Corporation
OpTech SITE OPERATIONS
Field Health and Safety Audit Checklist

Administrative

- 1.1 Site safety plan available on site
- 1.2 Training documentation available:
 - o For OpTech employees
 - o For subcontractor employees
- 1.3 Medical fit for duty certificates
- 1.4 Site safety meeting rosters executed
- 1.5 OSHA posters (where required)
- 1.6 Site Safety Officer appointed/present?
- 1.7 Activities conform to description in H&S plan and SOW

YES NO N/A

YES NO N/A

EXPOSURE MONITORING

- 2.1 Equipment available & in use according to H&S plan
- 2.1 Calibration accomplished, current, & logged
- 2.3 Monitoring log available & current
- 2.4 Does monitoring log reflect excursions above action levels?
- 2.5 Has personal monitoring been performed?
- 2.6 Have any exposure symptoms been reported?

YES NO N/A

YES NO N/A

HEAT/COLD STRESS MONITORING

- 3.1 Has heat/cold stress monitoring been implemented?
- 3.2 Are work/rest regimens established & followed?
- 3.3 Are pulse rate and oral temperature taken?
- 3.4 Is the monitoring log available & current?
- 3.5 Any heat or cold stress incidents?
- 3.6 Are personnel aware of symptoms & first aid?
- 3.7 Are ambient temperatures logged?
- 3.8 Is at least 1 person onsite at all times who is current in first aid & CPR?

YES NO N/A

YES NO N/A

PERSONAL PROTECTIVE EQUIPMENT

- 4.1 All PPE called for in the site H&S plan available?
- 4.2 Is PPE used in accordance with the H&S plan?
- 4.3 Has PPE been upgraded or downgraded?
- 4.4 All personnel appropriately labeled-up?
- 4.5 Is there a need to modify the PPE requirements?
- 4.6 Are engineering controls used on the site?
- 4.7 If 4.6 is no, could they be used?

YES NO N/A

YES NO N/A

Operational Technologies Corporation
OpTech SITE OPERATIONS
Field Health and Safety Audit Checklist (Concluded)

CONFINED SPACES

- 5.1 Does the site require confined space entry?
- 5.2 Is entry permit present and complete?
- 5.3 Do personnel have documented confined space training?

YES NO N/A

YES NO N/A

DECONTAMINATION PROCEDURES

- 6.1 Are H&S plan decontamination procedures observed?
- 6.2 Is the proper order of PPE removal observed?
- 6.3 Are decon solutions/equipment/used clothing properly marked and drummed/stored on site/disposed of?

DRILLING

- 7.1 Have proper underground utility clearances been obtained?
- 7.2 Have overhead utility clearances been considered?
- 7.3 Flammable liquids in approved containers?
- 7.4 Emergency rig shutoff within reach of the operator?
- 7.5 Appropriate fire shutoff within reach of the operator?
- 7.6 Drilling platform properly stabilized?
- 7.7 Ropes and chains in good condition?

YES NO N/A

YES NO N/A

SAMPLING

- 8.1 Are site-specific sampling events accomplished?
- 8.2 Are employees properly gloved?
- 8.3 Are proper sampling techniques observed?
- 8.4 Are samples immediately put on ice?
- 8.5 Are samples properly controlled by chain-of-custody form?

YES NO N/A

YES NO N/A

OVERALL

- 9.1 Any gross unsafe activities observed?
- 9.2 Any unsafe deviations from the H&S plan?
- 9.3 If 9.3 is yes, have they been investigated & documented?

YES NO N/A

YES NO N/A

COMMENTS:

OpTech

DAILY FIELD REPORT

WORCESTER AIR NATIONAL GUARD STATION
SI Addendum Field Work
DAHA90-93-D-0005/0039

Date 04/03/95

Page 1 of 1

TO : Bill Lodder, ANGRC/CEVR Project Manager

FROM : Earl Parker, OpTech Site Manager

Site Telephone Number: Worcester ANGUS - (508) 799-6963 ext 5529, POC - Pete McGinnis.

| | | |
|---------------------|-----------------|---------------------------|
| OpTech Field Team : | Earl Parker | Site Manager |
| | Jon Williams | Health and Safety Monitor |
| | Joe Byrd | Field GC Operator |
| | Destry Greenway | Field Technician |

Work Completed: Arrived at Worcester ANGUS. Met with Mr. Pete McGinnis. Worcester ANGUS POC Sr John Richardson, ENO Coord at Barnes ANGUS, Springfield Massachusetts. No formal debriefing was requested therefore Mr. McGinnis was briefed to represent Worcester ANGUS. Boring locations were staked and approved after a review of utility diagrams by station personnel. Some boring locations were moved slightly due to obstructions at the site. All equipment is on hand and drilling/sampling will begin tomorrow.

Deviations from the Work Plan: None - Some boring locations were moved slightly due to obstructions at the site. The former draw well location was approximately 40 feet west of the location depicted in the work plan. All borings associated with the drawwell (all except 01-01624 and 01-02434) were adjusted accordingly.

Site Visitors:

NONE - John Richardson may visit tomorrow

OpTech

DAILY FIELD REPORT

WORCESTER AIR NATIONAL GUARD STATION
SI Addendum Field Work
DAHA90-93-D-0005/0039

Date 4 / 4 / 95

Page 1 of 1

TO : Bill Lodder, ANGRC/CEVR Project Manager
FROM : Earl Parker, OpTech Site Manager

Site Telephone Number: Worcester ANG - (508) 799-6963 ext 5529, POC - Pete McGinnis.

| | | |
|---------------------|-----------------|---------------------------|
| OpTech Field Team : | Earl Parker | Site Manager |
| | Jon Williams | Health and Safety Monitor |
| | Joe Byrd | Field GC Operator |
| | Destry Greenway | Field Technician |

Work Completed: BEGAN drilling and soil sampling at the Addendum Site.

Collected samples from 01-016 BH 01-017 BH 01-018 BH 01-020 BH and

01-021 BH. Should be able to complete soil sampling tomorrow.

Field screening with the field GC indicated no BTEX in excess of 50 ppb.

PID readings were also minor. Boring 01-016BH did have a petroleum odor
in the bottom sample which was about all the excitement we had.

Deviations from the Work Plan: Due to the more shallow nature of the bedrock
At 01-020 BH (bedrock at 3.0' BLS) and At 01-021 BH (bedrock at 1.0' BLS) only
one soil sample was collected and given head for analytical analysis.

Site Visitors:

NONE

OpTech

DAILY FIELD REPORT

WORCESTER AIR NATIONAL GUARD STATION
SI Addendum Field Work
DAHA90-93-D-0005/0039

Date 4/5/95

Page 1 of 1

TO : Bill Lodder, ANGRC/CEVR Project Manager

FROM : Earl Parker, OpTech Site Manager

Site Telephone Number: Worcester ANG - (508) 799-6963 ext 5529, POC - Pete McGinnis.

| | | |
|---------------------|-----------------|---------------------------|
| OpTech Field Team : | Earl Parker | Site Manager |
| | Jon Williams | Health and Safety Monitor |
| | Joe Byrd | Field GC Operator |
| | Destry Greenway | Field Technician |

Work Completed: Completed drilling, And sampling At Worcester ANG.
Collected samples from 01-019BH, 01-022BH, 01-023BH, And 01-024BH.
Due to the shallow nature of the bedrock At these drilling locations
only one soil sample was obtained for analytical analysis
from 01-022BH, 01-023BH And 01-024BH. Field screening with the
PID And field GC indicated no BTEX in excess of 100 ppb. Will
conduct outbriefing And decontamination / clean-up tomorrow.

Deviations from the Work Plan: Only one soil sample from 3 borings
were obtained for analytical analysis as outlined above.

Site Visitors:

NONE

OpTech

DAILY FIELD REPORT

WORCESTER AIR NATIONAL GUARD STATION
SI Addendum Field Work
DAHA90-93-D-0005/0039

Date 4/6/95

Page 1 of 1

TO : Bill Lodder, ANGRC/CEVR Project Manager

FROM : Earl Parker, OpTech Site Manager

Site Telephone Number: Worcester ANG - (508) 799-6963 ext 5529, POC - Pete McGinnis.

| | | |
|---------------------|-----------------|---------------------------|
| OpTech Field Team : | Earl Parker | Site Manager |
| | Jon Williams | Health and Safety Monitor |
| | Joe Byrd | Field GC Operator |
| | Destry Greenway | Field Technician |

Work Completed: Conducted outbriefing with Station Commander
to brief him on SI Activities: conducted and field screening
results. Walked boring locations with land surveyor and
oversaw field survey operations. Conducted final demobilization
and clean-up activities. DEPARTED WORCESTER ANG
upon completion of Addendum SI Activities.

Deviations from the Work Plan: NONE

Site Visitors:

NONE

OPERATIONAL TECHNOLOGIES CORPORATION

DEVIATION FROM WORK PLAN DURING FIELD WORK

at the

Worcester Air National Guard Station

DAHA90-93-D-0005/0039

Originator/Date : Earl E. Parker II, Site Manager, (Date) : 5 April 1995

Work Plan Topic : Two soil samples being collected from each
boring location.

Deviation in Field Work : Only one soil sample was collected
from five soil borings. 01-020BH 01-021BH, 01-022BH,
01-023BH and 01-024BH had one soil sample collected and
submitted for analytical analysis.

Reason for Deviation : Depth of soil was insufficient to collect
two soil samples. One sample represented the surface and
top of the bedrock sample.

ANGRC/CEVR Project Manager Approval : _____

Bill Lodder, ANGR Project Manager

Calibration Log

Photoionization Detector

[illegible]

WORCESTER ANG'S ADDENDUM SITE INVESTIGATION

Sampling Plan

| Collected | Sample |
|----------------|-------------------------------|
| EP 4/4 0940 | 01-016BH INT 1 |
| EP 4/4 1030 | 01-016BH INT 2 |
| EP 4/4 0955 | 01-016BH DUPLICATE |
| EP 4/4 1120 | 01-017BH INT 1 |
| EP 4/4 1150 | 01-017BH INT 2 |
| EP 4/4 1125 | 01-017BH MS |
| EP 4/4 1135 | 01-017BH MSD |
| EP 4/4 1310 | 01-018BH INT 1 |
| EP 4/4 1345 | 01-018BH INT 2 |
| EP 4/5/95 1045 | 01-019BH INT 1 |
| EP 4/5/95 1100 | 01-019BH INT 2 |
| EP 4/4 1405 | 01-020BH INT 1 |
| NONE | 01-020BH INT 2 |
| EP 4/4 1430 | 01-021BH INT 1 |
| NONE | 01-021BH INT 2 |
| EP 4/5/95 1015 | 01-021BH DUPLICATE |
| EP 4/5/95 1000 | 01-022BH INT 1 |
| NONE | 01-022BH INT 2 |
| EP 4/5/95 0940 | 01-023BH INT 1 |
| NONE | 01-023BH INT 2 |
| EP 4/5/95 1125 | 01-024BH INT 1 |
| NONE | 01-024BH INT 2 |

Operational Technologies Corporation

OpTech SITE SPECIFIC HEALTH AND SAFETY PLANS
Site Health and Safety Briefings Form

Job Name: Worcester N.G. Base Project No. 1315-199
Date: 4-4-95 Start Time: 8:10 Completed: 8:25 A.M.
Site Location: IRP - Site #1 / Worcester National Guard Base
Type of Work (General): Bore Hole Sampling

=====

SITE SAFETY ISSUES

Tasks (This Shift/Day): Bore Holes & Split Pool Sampling

Protective Equipment/Clothing: Steel Toed Shoes, Gloves, Head Biter, Warm Clothing, & Safety Vests - Resp. if needed

Chemical Hazards: Waste Oil (& PNA's), organic solvents, xylene, PA-650, JP-4, JP-5 diesel, pyrene, lead, chlorinated solvents, gasoline #2 Fuel Oil

Physical Hazards: Black Paint Caught-in-between, heat stress or cold stress, Construction Hazards, Heavy Equipment, Noise

Control Methods: PPE (Safety glasses, Safety boots, nitrile gloves, Hard Hat, Goggles if splashes possible) Monitoring & Resp. Pict. & Good Work Practices

Special Equipment/Techniques: Bore Hole (Drilling Procedures & Logging) Calibration of air monitoring equipment, Dräger Tube Use

Nearest Telephone: _____

Hospital Name/Address: _____

Expected Weather: 35 to 55°F with Light Rain & Possible Thunderstorms

Special Topics (Incidents, actions taken, etc.): Emergency, Contingency Plan, Fire Precautions

=====

ATTENDEES

PRINT NAME

Pete Weaschaw
Brian Millard
Tom Williams
Destry Greenway
Tom Boyd, Jr
EARL E PARKER II

SIGNATURE

Pete Weaschaw
Brian Millard
Tom Williams
Destry Greenway
Tom Boyd, Jr
Earl E Parker II

Operational Technologies Corporation

OpTech SITE SPECIFIC HEALTH AND SAFETY PLANS
Site Health and Safety Briefings Form

Job Name: Worcester N.G. Base Project No. 1315-197
Date: 4-5-95 Start Time: 8:25 Completed: 8:35
Site Location: 4 RPH 1 Worcester N.G. Base
Type of Work (General): Bore Hole Sampling

=====

SITE SAFETY ISSUES

Tasks (This Shift/Day): Bore Hole Sampling / Split Spoon

Protective Equipment/Clothing: Steel Toed Shoes, Gloves, Hard Hat, Warm Clothing, Safety Vest, and respirators (if needed)

Chemical Hazards: Waste Oil (PNA's), organic solvents, xylene PD-6805 JP-4, JP-5, diesel, pyrene, lead, chlorinated solvents, & other fuels

Physical Hazards: Pinch Points, caught-in-between, cold stress, construction hazards, heavy equipment, noise, & dust

Control Methods: PPE (safety glasses, hard hats, etc.), Air Monitoring using PID, LEL meter, and Dräger Tube (benzene) & Good Work Practices

Special Equipment/Techniques: Bore Hole & Split Spoon Sampler, calibrate monitoring equip & frequency of air sampling

Nearest Telephone: In headquarters of Nat. Guard Office

Hospital Name/Address: University of Mass. Hospital on Plantation St. off Belmont St.

Expected Weather: 15° to 20° Low & 25° to 30° High with high winds

Special Topics (Incidents, actions taken, etc.): Special Cold Weather measures,

=====

ATTENDEES

PRINT NAME

Joe Byrd, Jr
Pete Newsham
Brian Miller
Joe Williams
Destiny Greenway
Earl Porter

SIGNATURE

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

SAFETY PLAN COMPLIANCE AGREEMENT

I have received a copy of the Health and Safety Plan for the Project. I have reviewed the plan, understand it, and agree to comply with all of its provisions. I understand that I could be prohibited from working on the project for violating any of the health and safety requirements specified in the plan.

Pete Newsham [Signature] 4-5-94⁵
Name Signature Date

Brian Millard [Signature] 4-4-94⁵
Name Signature Date

Destry Greenway Destry Greenway 4-4-95
Name Signature Date

Jon Williams [Signature] 4-4-95
Name Signature Date

EARL E PARKER [Signature] 4-4-95
Name Signature Date

Name Signature Date

Name Signature Date

Name Signature Date

Name Signature Date

APPENDIX D

**INVESTIGATION DERIVED WASTES
DISPOSITION**

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Worcester Air National Guard Station
SI ADDENDUM FIELD WORK DAHA90-93-D-0005/0039
OpTech # 1315-199

INVESTIGATION DERIVED WASTE LOG

| Drum | Contents (Non-Potable Water / Soil Cuttings) | Date Collected | % Full |
|------|---|-------------------|--------|
| 1 | SOIL CUTTINGS | 4,5 Apr 95 | 100% |
| 2 | WATER (DECON WATER ONLY) | 4,5 Apr 95 | 60% |
| | | | |
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| | | | |

Location of Drums: Adjacent to Northwest corner of Bldg 002.

Date Moved to Final Location : 4/6/95 Inspected by: Earl Parker II

Site Manager : Earl E. Parker II

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**Recommended Disposition of Inspection Derived Wastes
101st ACS, Worcester ANG, Worcester Massachusetts**

| Drum Number/ Material | Origin | Recommended Disposition | Rationale |
|--------------------------|---|--|---|
| 1/Soil | 01-016BH, 01-017BH, 01-018BH, 01-019BH, 01-020BH, and 01-021BH | Dispose as a hazardous waste. | Soil analysis results indicated SVOCs, TPH, arsenic and beryllium exceeded Massachusetts Reportable Concentrations. |
| 2/Water | Decontamination Wastewater | Obtain approval from Worcester County sewer service for disposal through oil/water separator at Worcester ANG. | Analytes washed from sampling equipment are significantly diluted by the total volume of decontamination water. |

**Site Inspection Derived Waste
Drum Containing Cuttings from Boreholes 01-016BH, 01-017BH,
01-018BH, 01-019BH, 01-020BH, and 01-021BH.
101st ACS, Worcester ANG, Worcester, Massachusetts**

| Analyte | Maximum Concentration in Soil Cuttings | Action Level Concentration |
|----------------------|---|-------------------------------|
| SVOCs | | |
| Benzo(a)anthracene | 4,500 µg/kg | 700 µg/kg |
| Chrysene | 5,600 µg/kg | 700 µg/kg |
| Benzo(b)fluoranthene | 4,200 µg/kg | 700 µg/kg |
| Benzo(k)fluoranthene | 3,000 µg/kg | 700 µg/kg |
| Benzo(a)pyrene | 3,900 µg/kg | 700 µg/kg |
| TPH | 6,300 mg/kg | 2,500 mg/kg |
| Metals | | |
| Arsenic | 59.4 mg/kg | 30 mg/kg |
| Beryllium | 0.88 mg/kg | 0.8 mg/kg |

µg/kg - micrograms per kilogram.

mg/kg - milligrams per kilogram.

SVOCs - Semivolatile organic compounds.

TPH - Total petroleum hydrocarbons.

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APPENDIX E

**ANALYTICAL RESULTS, DATA VALIDATION,
QUALITY ASSURANCE/QUALITY CONTROL, AND
CHAIN-OF-CUSTODY FORMS**

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nytest environmental inc.

April 26, 1995

Operational Technologies Corp.
4100 N. West Loop 410, Suite 230
San Antonio, TX 78229

ATTN: Earl Parker

Nytest is pleased to submit our Project No. 9521649

Login No 23490,23505 on your sample(s) received: 4/04,05

Test sample(s) associated with this project will be retained for a period of thirty (30) days, unless otherwise instructed.

My staff is available to answer any questions concerning our report and we look forward to serving your future analytical needs.

Very truly yours,
Nytest Environmental Inc.

Remo Gigante
Executive Vice President

Encl: 2 bound reports
Shipped Via: Fedex



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

Project No.: 9521649
Log in No. : 23490, 23505
P.O. No. : Pending
Date : April 26, 1995

ANALYTICAL DATA REPORT
PACKAGE FOR

Operational Technologies Corp.

4100 N. West Loop 410, Suite 230

San Antonio, TX 78229

ATTN: Earl Parker
REF: Worcester-ANGS, Proj. #1315-199

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

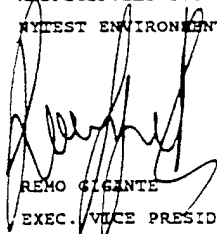
TYPE OF
SAMPLE

SEE NEXT PAGE

WE CERTIFY THAT THIS REPORT IS A
TRUE REPORT OF RESULTS OBTAINED
FROM OUR TESTS OF THIS MATERIAL.

NYS Lab ID. #10195
NJ Cert. #73469
mar

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.


REMO GIGANTE
EXEC. VICE PRESIDENT

Report on sample(s) furnished by client applies to sample(s) Repc in sample(s) obtained by us applies only to lot sampled. Information contained here is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

NYTEST ENVIRONMENTAL Inc.

| LABORATORY NUMBER | SAMPLE IDENTIFICATION | TYPE OF SAMPLE |
|----------------------|--------------------------|-------------------|
| 2349001 | 1-16-1 | Soil |
| 2349002 | 1-16-D | Soil |
| 2349003 | 1-16-2 | Soil |
| 2349004 | 1-17-1 | Soil |
| 2349005 | 1-17-1MS | Soil |
| 2349006 | 1-17-1MSD | Soil |
| 2349007 | 1-17-2 | Soil |
| 2349008 | 1-18-1 | Soil |
| 2349009 | 1-18-2 | Soil |
| 2349010 | 1-20-1 | Soil |
| 2349011 | 1-21-1 | Soil |
| 2349012 | FLDBK1 | Water |
| 2349013 | EQPBK1 | Water |
| 2349014 | TRIP-1 | Water |
| 2349015 | TRIP-2 | Water |

NYTEST ENVIRONMENTAL Inc.

| LABORATORY NUMBER | SAMPLE IDENTIFICATION | TYPE OF SAMPLE |
|----------------------|--------------------------|-------------------|
| 2350501 | 1-23-1 | Soil |
| 2350502 | 1-22-1 | Soil |
| 2350503 | 1-22-1D | Soil |
| 2350504 | 1-19-1 | Soil |
| 2350505 | 1-19-2 | Soil |
| 2350506 | 1-24-1 | Soil |
| 2350507 | EQPBK2 | Water |
| 2350508 | FLDBK2 | Water |
| 2350509 | TRIP-3 | Water |
| 2350510 | TRIP-4 | Water |

Table of Contents

Log in No.: 23490, 23505

| | Page |
|--|---------|
| I. Sample Analysis Request Form | NA |
| II. Chain of Custody. | 1 - 3 |
| III. Laboratory Deliverable Checklist. | 4 |
| IV. GC/MS Analysis Conformance/Non-Conformance Summary Format. | 5 |
| V. Laboratory Chronicle. | 6 |
| VI. Non-Conformance Summary (Case Narrative). | 7 - 10 |
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nytest environmental.

(516) 625-5500 FAX: (516) 625-1274

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

Chain of Custody Record

page #: 1 of 2

Client Name: Operational Technologies Corporation
Address: 4100 NW Loop 410, Suite 230
San Antonio TX 78229
Project Manager: EARL PARKER
Phone: (210) 731-0000 FAX: (210) 731-0008
Project Name: Worcester ANG'S
Project Number: 1315-199
PO. #: As Per Contract Deliverables As Per Contract
Sampled By: EARL PARKER

| Lab ID (Lab Use Only) | Sample ID (Maximum of 6 Characters) | Date Sampled | Time Sampled | Sample Location |
|--------------------------|--|--------------|--------------|----------------------|
| 01 | 1-1-6 | 4/4/95 | 0940 | 01-016BH Int 1 |
| 02 | 1-1-6 | 4/4/95 | 0955 | 01-016BH Int 1 DUP |
| 03 | 1-1-6 | 4/4/95 | 1030 | 01-016BH Int 2 |
| 04 | 1-1-7 | 4/4/95 | 1120 | 01-017BH Int 1 |
| 05 | 1-1-7 | 4/4/95 | 1135 | 01-017BH Int 1MS/MSD |
| 06 | 1-1-7 | 4/4/95 | 1150 | 01-017BH Int 2 |
| 07 | 1-1-8 | 4/4/95 | 1310 | 01-018BH Int 1 |
| 08 | 1-1-8 | 4/4/95 | 1345 | 01-018BH Int 2 |
| 09 | 1-2-0 | 4/4/95 | 1405 | 01-020BH Int 1 |
| 10 | 1-2-1 | 4/4/95 | 1430 | 01-021BH Int 1 |
| 11 | 1-2-1 | 4/4/95 | 1430 | 01-021BH Int 1 |

Relinquished by: Earl Parker II
Print Name: EARL E PARKER II
Relinquished by: _____
Print Name: _____
Relinquished by: _____
Print Name: _____
Relinquished by: _____
Print Name: _____

Date / Time

4/4/95

95

Date / Time

4/4/95

95

Date / Time

4/4/95

95

Analysis Requested

| No. of Containers | VOC - SW8240 | SVOC - SW8270 | TPH - 418.1 | METALS - SW6010 | PCBs - SW8080 | Nothing at all |
|-------------------|--------------|---------------|-------------|-----------------|---------------|----------------|
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Bin #'s In/Out (For Lab Use Only)

| Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) | Bin #'s In/Out (For Lab Use Only) |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Comments: TRIP BEANK B 2
with this shipment.
listed on COC as
other ice chest.

Lab Use Only

Custody Seal: Intact
Sample Rec'd in Good Condition? Y
Sample Temperature: _____
INSPECTED BY: [Signature]
COMMENTS: _____

Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95
Date / Time: 4/4/95

Special Instructions: Analysis as per SOW and Contract w/ NEI for Worcester
Air National Guard Station (which is as outlined above)



nylest environmental.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page #: 1 of 1

Client Name: Operational Technologies Corporation
Address: 4100 NW Loop 410, Suite 230
San Antonio, TX 78229
Project Manager: Earl Parker
Phone: (210) 731-0000 FAX: (210) 731-0008
Project Name: Waste: AUGS
Project Number: 1315-199
P.O. #: As per Contract Deliverables As per Contract
Analytical Protocol: Earl Parker
Sampled By: Earl Parker

Analysis Requested

| No. of Containers | VOC - SW 8240 | SVOC - SW 8270 | TPH - 418.1 | METAL - SW 6010 | PCs - 8080 | Nothing follows |
|-------------------|---------------|----------------|-------------|-----------------|------------|-----------------|
| 8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Bin #'s In/Out (For Lab Use Only)

Comments

| Lab ID (Lab Use Only) | Sample ID (Maximum of 6 Characters) | Date Sampled | Time Sampled | Sample Location |
|--------------------------|--|--------------|--------------|--------------------------------|
| 12 | F L D B K 1 | 4/4/95 | 1500 | Field Blank #1 |
| 13 | E Q P B K 1 | 4/4/95 | 1530 | Equipment Blank #1 |
| 14 | T R I P - 1 | 4/4/95 | - | Trip Blank #1 |
| 15 | T R I P - 2 | 4/4/95 | - | Trip Blank #2 (other, include) |
| 0000002 | Nothing follows | | | |

Relinquished by: Earl Parker
Print Name: Earl E Parker II
Relinquished by: Earl Parker
Print Name: Earl Parker
Relinquished by: Earl Parker
Print Name: Earl Parker

Received by: FEDERAL EXPRESS
Print Name: Billie # 4196169854
Received by: Billie
Print Name: Billie
Received by Laboratory: Billie
Print Name: Billie

Special Instructions: Analysis as per SOW and Contract w/ NEI for Worcester
Mr. Nathaniel Conrad Station Label is as outlined Above



est environment

Chain of Custody Record

page #: 1 of 1

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--------------------------------|------|--|---------------------------|---------------------------------|---|----------------------------|---|--------------|---|--|---|--------------------------------|---|---------------------|---|----------------|---|-----------------------------|---|-------------|--|
| Client Name OPERATIONAL TECHNOLOGIES CORPORATION | | Address 4100 NW Loop 410, Suite 230 San Antonio, TX 78229 | | Project Manager EARL PARKER | | Phone (210) 731-0000 FAX (210) 731-0008 | | Project Name WORCESTER ANG'S | | Project Number 1315-199 | | P.O. # | | Analytical Protocol As per Contract | | Sampled By Earl Parker | | | | | | | | | |
| Lab ID (Lab Use Only) | | Sample ID (Maximum of 6 Characters) | | Date Sampled | | Time Sampled | | Sample Location | | No. of Containers | | VOC - SW8240 | | SVOC - SW8270 | | TPH - 418.1 | | METALS - SW6010 | | PCBs - SW8080 | | Nothing Follows | | | |
| 01 | | | | 4/5/95 | 0740 | | 01-023 BH Int 1 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 02 | | | | 4/5/95 | 1000 | | 01-022 BH Int 1 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 03 | | | | 4/5/95 | 1015 | | 01-022 BH Int 1 Duplicate | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 04 | | | | 4/5/95 | 1045 | | 01-019 BH Int 1 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 05 | | | | 4/5/95 | 1100 | | 01-019 BH Int 2 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 06 | | | | 4/5/95 | 1125 | | 01-021 BH Int 1 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 07 | | | | 4/5/95 | 1320 | | EQUIPMENT Blank # 2 | 8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 08 | | | | 4/5/95 | 1350 | | FIELD Blank # 2 | 8 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 09 | | | | - | - | | TRIP Blank # 3 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 10 | | | | - | - | | TRIP Blank # 4 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Relinquished by Earl Parker II | | Date / Time 4/5/95 1610 | | Received by FEDERAL EXPRESS | | Print Name AIRBILL # 476407323 | | Date / Time 4/5/95 1610 | | Lab Use Only Intact | | Broken | | Absent | | Sample Back in Good Condition? | | Sample Temperature? | | Degree Celsius | | INSPECTED BY Earl Parker | | COMMENTS: | |
| Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | |
| Relinquished by | | Date / Time | | Received by | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | |
| Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | |
| Relinquished by | | Date / Time | | Received by | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | |
| Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | | Date / Time | | Print Name | |

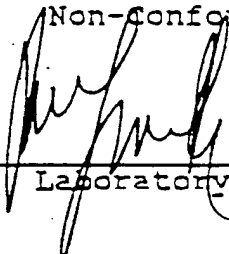
Special Instructions: Analysis As per SW and Contract with NEI for Lubricants. Air National Guard Station (which is as outlined above)

Special Instructions: Analysis as per SOW and Contract with UET for Lubricants Air
Natural Gas and Solvents (which is as outlined above)

Laboratory Deliverable
Check List

Check if
Complete

- | | | |
|-------|--|---------------|
| I. | Cover Page, Format, and Laboratory Certification (Include Cross Reference Table of Field I.D. # and Laboratory I.D. #) | <u> / </u> |
| II. | Chain of Custody | <u> ✓ </u> |
| III. | Summary Sheets Listing Analytical Results Including QA Data Information | <u> NA </u> |
| IV. | Laboratory Chronicle and Methodology Summary including Sampling Holding Time Check | <u> ✓ </u> |
| V. | Initial Calibration and Continuing Calibration (Time & Date Summary) | <u> ✓ </u> |
| VI. | Tune Summary (MS) | <u> / </u> |
| VII. | Blanks (Method, Field, Trip) | <u> ✓ </u> |
| VIII. | Surrogate Recovery Summary | <u> ✓ </u> |
| IX. | Chromatographs Labeled / Compound Identification | <u> ✓ </u> |
| X. | Non-Conformance Summary | <u> ✓ </u> |



Laboratory Manager

 2/25/95
Date

000004

GC/MS ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

| | No | Yes |
|---|----|-----|
| 1. <u>GC/MS Tune Specifications</u> | | |
| a. BFB passed | — | ✓ |
| b. DFIPP passed | — | ✓ |
| 2. <u>GC/MS Tuning Frequency</u> - Performed every 12 hours | — | ✓ |
| 3. <u>GC/MS Calibration</u> - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis | Ⓟ | ✓ |
| 4. <u>GC/MS Calibration Requirements</u> | | |
| a. Calibration Check Compounds | — | ✓ |
| b. System Performance Check Compounds | — | ✓ |
| 5. <u>Blank Contamination</u> - List compounds for each fraction | | |
| a. VOA Fraction <u>Methylene Chloride</u> | | |
| b. B/N Fraction | | |
| c. Acid Fraction | | |
| 6. <u>Surrogate Recoveries Meet Criteria</u> (If not met; list those compounds and their recoveries which fall outside the acceptable range) | | ✓ |
| a. VOA Fraction | | |
| b. B/N Fraction <u>HP(40,25) TPH(147,152)</u> | | |
| c. Acid Fraction <u>PHL(6) 2FP(6) 2CP(13)</u> | | |
| 7. <u>Extraction Holding Time Met</u> | — | ✓ |
| Comments: | | |
| 8. <u>Analysis Holding Time Met</u> | — | ✓ |
| Comments: | | |
| Additional Comments: | | |
| <u>Ⓟ 30 days utilized for in-house purposes.</u> | | |
| <u>The Method does not dictate the frequency of initial calibration providing CCC and SPC calibration requirements have been met</u> | | |

Laboratory Manager

[Signature]

Date:

5/25/94

000005

Laboratory Chronicle

Client Name: Operational Technologies Corporation
Date Received: 04/05/95, 04/06/95
Sample ID: As per chains of custody

Log In No.: 23490
23505

Organics Extraction: 04/05/95, 04/06/95, 04/07/95

- 1. Acids _____
04/05/95, 04/06/95, 04/07/95
2. Base/Neutrals _____
04/05/95, 04/06/95, 04/07/95
3. Pesticides/PCBs _____
4. Dioxin _____

Analysis:

- 04/05/95, 04/06/95, 04/07/95
----- 1. Volatiles _____
04/06/95, 04/12/95, 04/13/95
2. Acids _____
04/06/95, 04/12/95, 04/13/95
3. Base/Neutrals _____
04/11/95, 04/12/95, 04/13/95
4. Pesticides/PCBs _____
5. Dioxin _____

Section Supervisor

Review & Approval _____

Digestion - 04/12/95

Inorganics:

Analysis - 04/13/95, 04/14/95, 04/17/95, 04/18/95, 04/20/95, 04/24/95

- 1. Metals _____

Mercury Digestion & Analysis - 04/12/95, 04/17/95

Other Analysis:

TPHC - 04/07/95, 04/11/95

Section Supervisor

Review & Approval _____

Quality Control Supervisor

Review & Approval _____

If fractions are re-extracted and re-analyzed include dates for both.

000006

NARRATIVE DISCUSSION
VOLATILES - 23490, 23505

SDG NO. WOR1

INTRODUCTION

This narrative covers the analysis of twenty three (23) samples in accordance with protocols based on SW-846 Method 8240.

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met all method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKES

Sample 1-17-1 was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

Although internal standard area response/retention time summaries are not required, all samples yielded area responses and retention times which fell within an acceptable range.

SAMPLE COMMENTS

The concentration of Xylenes exceeded the highest calibration standard in sample 1-16-2. Reanalysis was performed at a dilution. Both sets of data are included. The concentration of this compound should be taken from the diluted analysis.

No other analytical problems were encountered.

000007

NARRATIVE DISCUSSION
SEMIVOLATILES - 23490, 23505

SDG NO. WOR1

INTRODUCTION

This narrative covers the analysis of four (4) aqueous samples and fifteen (15) soil samples in accordance with protocols based on SW-846 Method 8270.

HOLDING TIMES

The extraction and analytical holding times for this analysis were met.

CALIBRATIONS

Required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

Required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met all method requirements.

SURROGATES

Samples met surrogate QC criteria, with the exception of EQPBK1 which showed low recoveries. Reextraction is being performed and results will follow under a separate cover.

MATRIX SPIKES

Sample 1-17-1 was utilized in the low soil MS/MSD series. Nineteen (19) of twenty two (22) spike recoveries and eight (8) of eleven (11) RPD values fell within advisory QC limits.

Note, the MSD showed inconsistent results from the unspiked sample and the MS. Due to sample extract viscosity, the MSD was concentrated to a 10ml final volume. Analysis, of the MSD, showed high concentrations of target and non-target analytes which were not present in the unspiked and matrix spike analyses.

INTERNAL STANDARDS

Although internal standard area response/retention time summaries are not required, all area responses and retention times fell within an acceptable range.

000008

SAMPLE COMMENTS

Due to the viscous nature of the sample extracts, 1-16-2, 1-18-1 and 1-18-2 were concentrated to 10ml final volumes.

Due to sample extract viscosity, 1-18-2, 1-22-1D, 1-19-1 and 1-19-2 required (additional) dilutions for analysis.

Although no target analytes were detected in sample 1-18-2, a more concentrated analysis could not be performed.

No other analytical problems were encountered.

000009

NARRATIVE DISCUSSION
PCBs - 23490, 23505

Surrogates

The recovery of TCX was slightly below the advisory QC limits for sample 1-17-2 and 1-20-1 (57% and 55% respectively). All other recoveries met QC criteria.

Matrix Spike / Matrix Spike Duplicate (MS/MSD)

Sample 1-17-1 was utilized for the MS/MSD. All spike recoveries and RPD values were within QC limits.

Method Blanks

No target compounds were detected in the method blanks.

Calibrations

The initial and continuing calibrations passed QC criteria.

Samples

All samples were analyzed as per SW-846 Method 8080. No further analytical problems were encountered.

c:\wp51\cns\ac

000010

METHODOLOGY SUMMARY

AQUEOUS METHODOLOGIES:

| | REF 1 | REF 2 | REF 3 | REF 5 |
|---|-------|------------------------------|---------|-------|
| BNA, Pesticides/PCB's Extraction | | 3510/3520 | | |
| AA/ICP Sample Preparation | 200.7 | | | |
| Furnace Sample Preparation | 200.0 | | | |
| Mercury Sample Preparation | 245.1 | | | |
| Hexavalent Chromium Sample Preparation | 218.5 | | | |
| Clean-Up | | 3610/3620/3630/ 3640/3660 | | |
| Organochlorine Pesticide and PCB's by Gas Chromatography | | | 608 | 505 |
| Herbicides by Gas Chromatography | | | 362 | 515.1 |
| Purgeable Organics by GC/MS | | | 624 | 524.2 |
| Base/Neutral, Acids by GC/MS | | | 625 | 525 |
| 2,3,7,8-TCDD by GC/MS | | | 613/625 | |
| BTEX | | | 602 | 502.2 |
| EDB/DBCP by Microextraction | | | | 504.1 |

NON-AQUEOUS METHODOLOGIES:

| | |
|----------------------------------|------------------------------|
| BNA, Pesticides/PCB's Extraction | 3550 |
| AA/ICP Sample Preparation | 3050 |
| Furnace Sample Preparation | 3020/3030/3050 |
| Mercury Sample Preparation | 7471 |
| Clean-Up | 3610/3620/3630/ 3640/3660 |

GC, Gas Chromatography/Mass Spectrometry:

| | |
|---|-----------|
| Purgeable Organics | 8240/8021 |
| Base/Neutral and Acid Extractables | 8270 |
| Organophosphorus Pesticides | 8140 |
| Organochlorine Pesticide and PCB's by Gas Chromatography | 8080 |
| BTEX | 8020 |
| Halogenated Purgeable Organics | 8010 |

000011

METHODOLOGY SUMMARY

INDUCTIVELY COUPLED PLASMA (ICP):

REFERENCE 1

REFERENCE 2

| | | |
|------------|-------|------|
| Aluminum | 200.7 | 6010 |
| Antimony | 200.7 | 6010 |
| Barium | 200.7 | 6010 |
| Beryllium | 200.7 | 6010 |
| Cadmium | 200.7 | 6010 |
| Calcium | 200.7 | 6010 |
| Chromium | 200.7 | 6010 |
| Cobalt | 200.7 | 6010 |
| Copper | 200.7 | 6010 |
| Iron | 200.7 | 6010 |
| Lead | 200.7 | 6010 |
| Magnesium | 200.7 | 6010 |
| Manganese | 200.7 | 6010 |
| Molybdenum | 200.7 | 6010 |
| Nickel | 200.7 | 6010 |
| Potassium | 200.7 | 6010 |
| Silver | 200.7 | 6010 |
| Sodium | 200.7 | 6010 |
| Tin | 200.7 | 6010 |
| Titanium | 200.7 | 6010 |
| Vanadium | 200.7 | 6010 |
| Zinc | 200.7 | 6010 |

FURNACE AA:

| | | |
|----------|-------|-----------|
| Antimony | 204.1 | 7041 |
| Arsenic | 206.2 | 7060 |
| Lead | 239.2 | 7421 |
| Selenium | 270.2 | 7740 |
| Thallium | 279.2 | 7841 |
| Tin | 282.2 | |
| Vanadium | 286.2 | 7911 |
| Mercury | 245.1 | 7470/7471 |

ICAP:

| | | |
|---------------------|-------|-------------------------|
| Priority Pollutants | 200.7 | 6010/7060/ 7470/7740 |
| TAL Metals | 200.7 | 6010/7060/ 7470/7740 |
| RCRA Metals | 200.7 | 6010/7060/ 7470/7740 |

000012

METHODOLOGY SUMMARY

ADDITIONAL INORGANIC PARAMETERS:

REFERENCE 1

REFERENCE 2

| | | |
|--------------------------------------|-------------|----------------|
| Biochemical Oxygen Demand | 405.1 | |
| Bromide | 320.1 | |
| Color | 110.2 | |
| Conductance | 120.1 | |
| Conductance | | 9050 |
| Odor | 140.1 | |
| pH | 150.1 | |
| pH | | 9045/9040/9041 |
| TDS | 160.1 | |
| TSS | 160.2 | |
| TS | 160.3 | |
| Hardness | 130.1 | |
| Temperature | 170.1 | |
| Turbidity | 180.1 | |
| Acidity | 305.1 | |
| Alkalinity | 310.1 | |
| Ammonia | 350.2/350.3 | |
| Chloride | 325.3 | |
| Chloride | | 9252 |
| Residual Chlorine | 330.2 | |
| COD | 410.3/410.4 | |
| Cyanide (Total & Amenable) | 335.3/335.1 | 9010/9012 |
| Oil & Grease | 413.1/413.2 | |
| Oil & Grease | | 9070/9071 |
| Fluoride | 340.2 | |
| TKN | 351.2 | |
| NO2/NO3 | 353.2 | 9200 |
| D.O | 360.2 | |
| Petroleum Hydrocarbons (Reference 4) | 418.1 | 9066 |
| Phenol | 420.2 | |
| Phosphorus | 365.1 | |
| Settleable Solids | 160.5 | |
| Silica | 370.1 | |
| Sulfate | 375.2/375.4 | 9038 |
| Sulfide | 376.1 | 9030 |
| Surfactants | 425.1 | |
| TOC | 415.1 | 9060 |
| TOX | | 9020 |

MISCELLANEOUS ANALYSIS:

| | |
|--|-------------|
| Extraction Procedure Toxicity | 1310 |
| Ignitability | 1010 |
| Corrosivity | 1110 |
| Reactivity | Chapter 8.3 |
| Paint Filter Liquid Test | 9095 |
| Toxicity Characteristic Leaching Procedure (TCLP) | (REF 4) |
| Cation Exchange Capacity of Soils | 9080 |

000013

METHODOLOGY SUMMARY

REFERENCE 6

| | |
|------------------------------|------|
| Total Coliform | 909A |
| Fecal Coliform | 9096 |
| Fecal Streptococcus Coliform | 910B |
| Standard Plate Count | 907 |
| Hexavalent Chromium | 312B |
| Carbonaceous BOD | 507 |

000014

METHCDOLOGY SUMMARY

REFERENCES:

- (1) USEPA-600/4-79-020, Methods for Chemical Analysis of Water and Waste
- (2) USEPA SW 846, Test Methods for Evaluating Solid Waste, Third Edition
- (3) Federal Register 40 CFR Part 136, Vol.49, No.209 Test Parameters for the Analysis of Pollutants
- (4) Federal Register Vol.51, No.216 Friday, 11/7/86, pp.40643-40652
- (5) Method for the Determination of Organic Compounds in Drinking Water, EPA 500/4-88/039, Dec. 1988
- (6) Standard Method for Examination of Water and Wastewater, 15 Edition 1980

000015

Method Qualifiers for Organic Non-CLP Methodologies

Q Qualifier - Specified entries and their meanings as follows:

- U - Indicates compound was analyzed for but was not detected. The sample quantitation limit is corrected for dilutions and for the moisture content for soil samples. If a sample extract can not be concentrated to the protocol - specific volume, this fact is also accounted for in reporting the sample quantitation limit. The number is the minimum detected limits for the sample.
- J - Indicates an estimated volume. The flag is used either when estimating concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N - Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- B - This flag is used when the analyte is found in the analyte is found in the associated blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound.
- E - This flag identifies compounds whose concentrations exceeded the calibration range of the GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A - This flag indicates that a TIC is a suspected aldol condensation product.

nytest environmental_{inc}

Method Qualifiers for Inorganics

- * C (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.
- * Q qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference.
 - M - Duplicate precision not met (CV > 20%).
 - N - Spiked sample recovery not within control limits.
 - S - The reported value was determined by Method of Standard Addition (MSA).
 - W - Post-digestion spike for Furnace AA analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.
 - * - Duplicate analysis not within control limits.
 - + - Correlation Coefficient for the MSA is less than 0.995.Entering "S", "W" or "+" is mutually exclusive.

* M (Method) qualifier - enter:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "CV" for Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed.

000017

VOLATILE DATA

000001

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4179.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

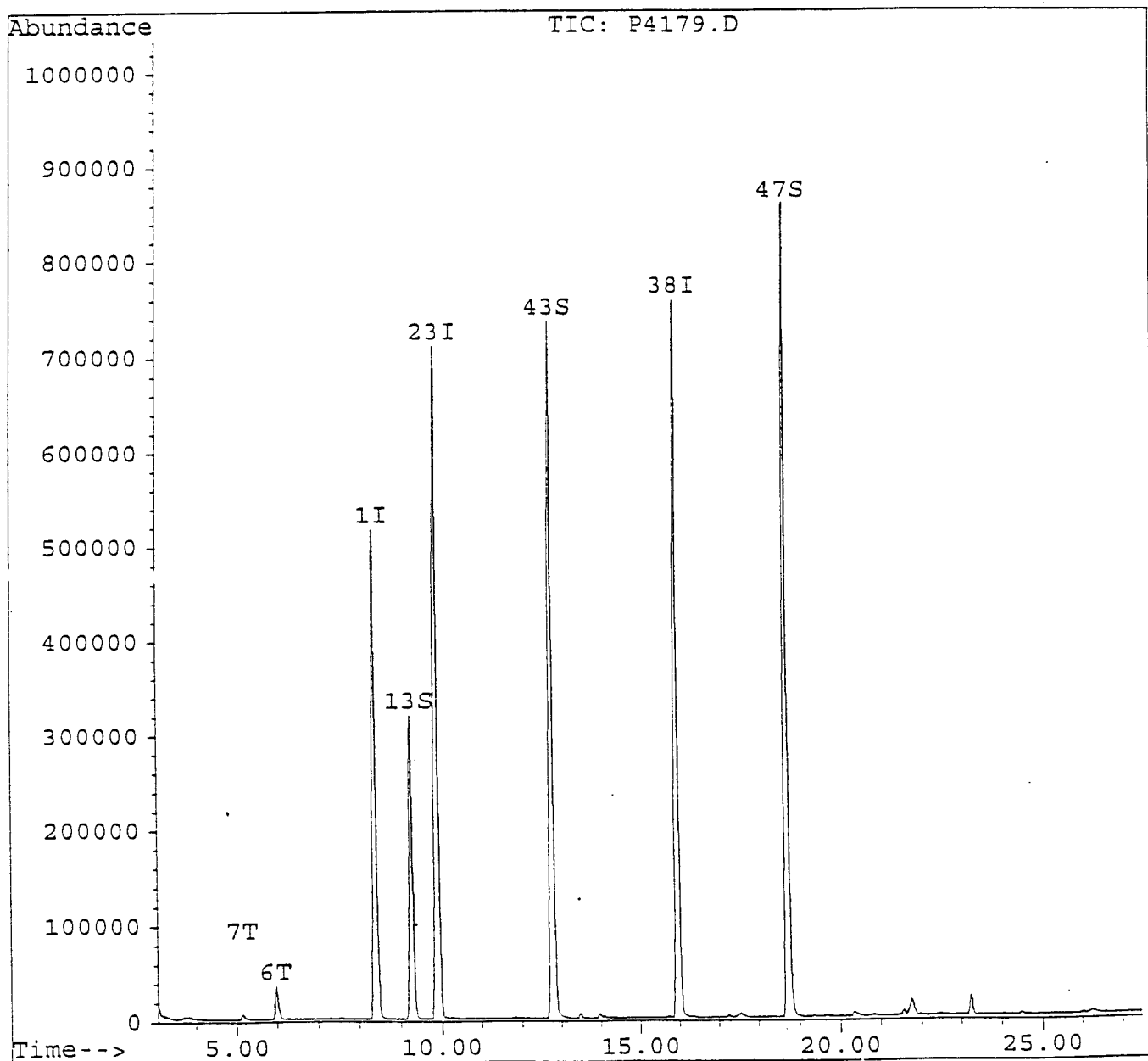
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 7 | J |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4179.D
Acq On : 5 Apr 95 17:02 pm
Sample : 2349001,1-16-1,
Misc : 1,,5,,5,5,LOW,SOIL,R4-5-95,
Quant Time: Apr 5 17:30 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 10:31:23 1995
Response via : Single Level Calibration



000003

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4179.D
 Acq On : 5 Apr 95 17:02 pm
 Sample : 2349001,1-16-1,
 Misc : 1,,5,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 5 17:30 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 402894 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1839988 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1364981 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | %Recovery |
| 13) CS15 1,2-Dichloroethane-d4 | 9.26 | 65 | 629768 | 50.72 | ug/l | 101.43% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1644255 | 50.23 | ug/l | 100.46% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 1107067 | 48.86 | ug/l | 97.73% |
| Target Compounds | | | | | | Qvalue |
| 6) C030 Methylene Chloride | 5.96 | 84 | 44882 | 3.79 | ug/l | 99 |
| 7) C035 Acetone | 5.15 | 43 | 24696 | 6.33 | ug/l | 78 |

000004

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-D

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4180.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 4

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

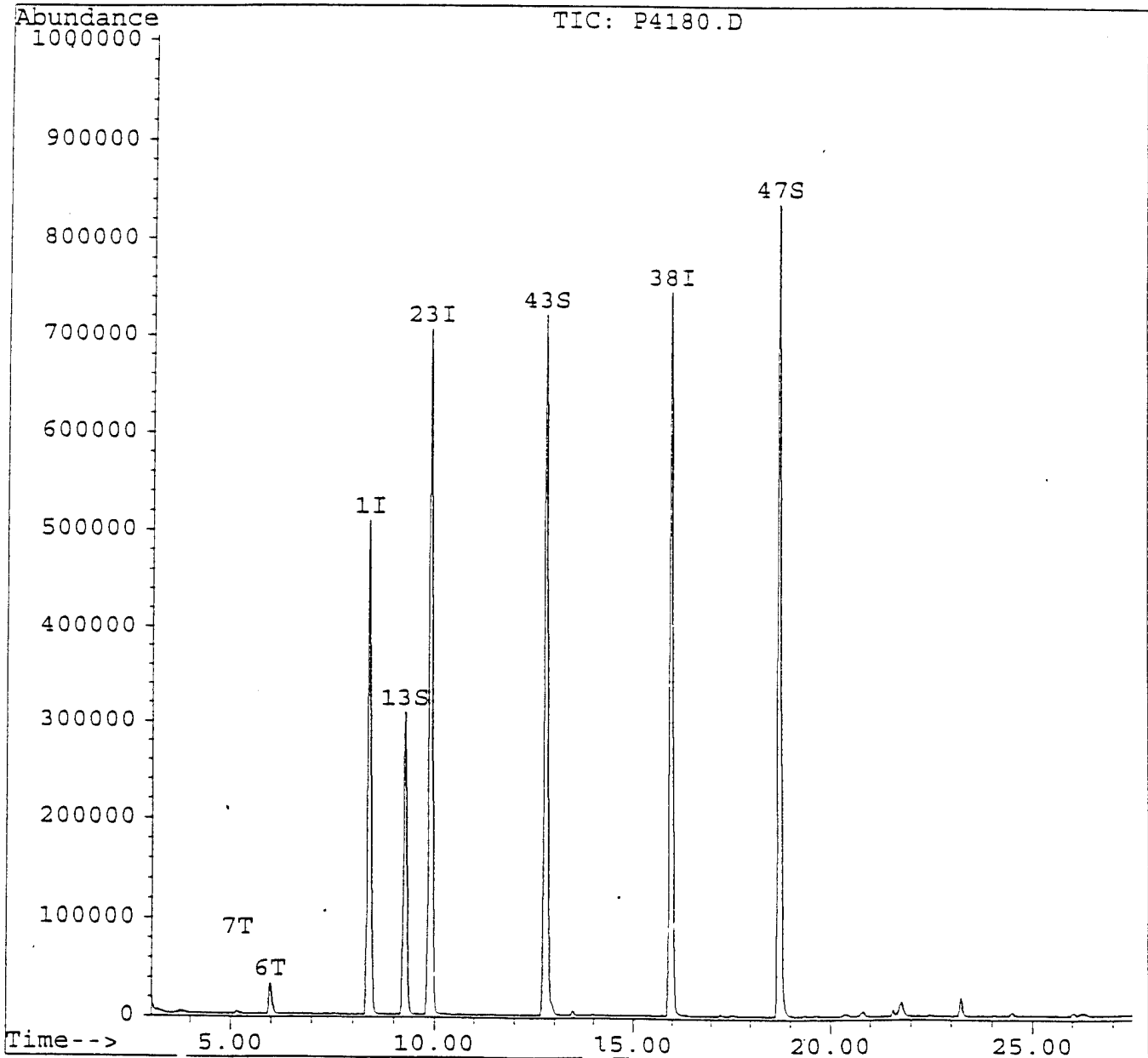
| CAS NO. | COMPOUND | Q |
|------------|---------------------------------|----|
| 74-87-3 | -----Chloromethane | 10 |
| 74-83-9 | -----Bromomethane | 10 |
| 75-01-4 | -----Vinyl Chloride | 10 |
| 75-00-3 | -----Chloroethane | 10 |
| 75-09-2 | -----Methylene Chloride | 4 |
| 67-64-1 | -----Acetone | 4 |
| 75-15-0 | -----Carbon Disulfide | 10 |
| 75-35-4 | -----1,1-Dichloroethene | 10 |
| 75-34-3 | -----1,1-Dichloroethane | 10 |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 |
| 67-66-3 | -----Chloroform | 10 |
| 107-06-2 | -----1,2-Dichloroethane | 10 |
| 78-93-3 | -----2-Butanone | 10 |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 |
| 56-23-5 | -----Carbon Tetrachloride | 10 |
| 75-27-4 | -----Bromodichloromethane | 10 |
| 78-87-5 | -----1,2-Dichloropropane | 10 |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 |
| 79-01-6 | -----Trichloroethene | 10 |
| 124-48-1 | -----Dibromochloromethane | 10 |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 |
| 71-43-2 | -----Benzene | 10 |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 |
| 75-25-2 | -----Bromoform | 10 |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 |
| 591-78-6 | -----2-Hexanone | 10 |
| 127-18-4 | -----Tetrachloroethene | 10 |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 |
| 108-88-3 | -----Toluene | 10 |
| 108-90-7 | -----Chlorobenzene | 10 |
| 100-41-4 | -----Ethylbenzene | 10 |
| 100-42-5 | -----Styrene | 10 |
| 1330-20-7 | -----Xylene (total) | 10 |
| 108-05-4 | -----Vinyl Acetate | 10 |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4180.D
Acq On : 5 Apr 95 17:35 pm
Sample : 2349002,1-16-D,
Misc : 1,,4,,5,5,LOW,SOIL,R4-5-95,
Quant Time: Apr 5 18:03 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 10:31:23 1995
Response via : Single Level Calibration



000006

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4180.D
 Acq On : 5 Apr 95 17:35 pm
 Sample : 2349002,1-16-D,
 Misc : 1,,4,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 5 18:03 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 394488 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1827096 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1333098 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | %Recovery |
| 13) CS15 1,2-Dichloroethane-d4 | 9.25 | 65 | 608028 | 50.01 | ug/l | 100.02% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 1616390 | 50.56 | ug/l | 101.12% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 1067511 | 48.24 | ug/l | 96.49% |
| Target Compounds | | | | | | Qvalue |
| 6) C030 Methylene Chloride | 5.97 | 84 | 41114 | 3.54 | ug/l | 97 |
| 7) C035 Acetone | 5.16 | 43 | 15217 | 3.98 | ug/l | 78 |

000007

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4181.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 9

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

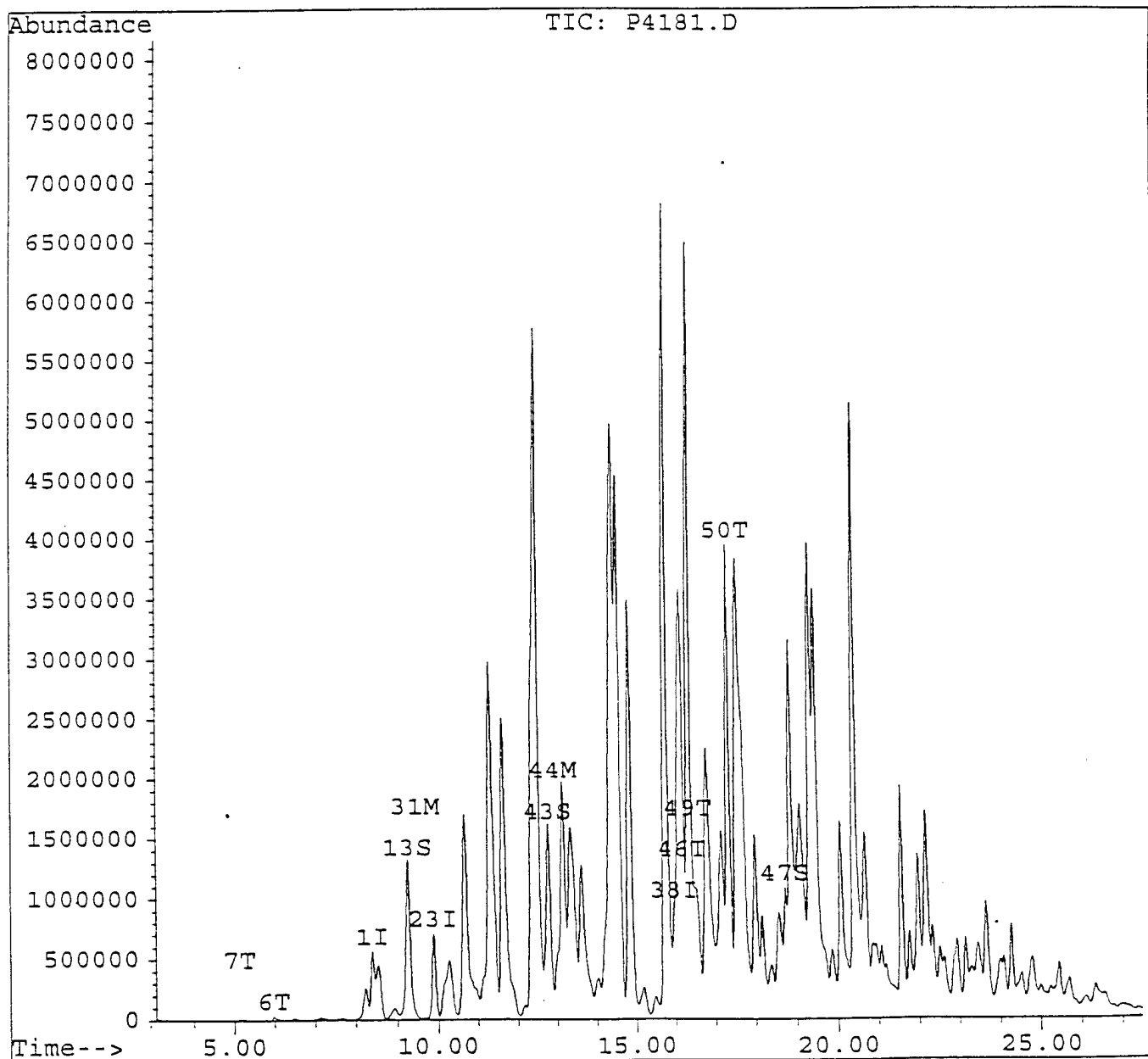
| | | | |
|-----------------|----------------------------|-----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 16 | |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 11 | U |
| 67-66-3----- | Chloroform | 11 | U |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 11 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 11 | U |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 2 | J |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 7 | J |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 130 | |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 870 | E |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4181.D
Acq On : 5 Apr 95 18:07 pm
Sample : 2349003,1-16-2,
Misc : 1,,9,,5,5,LOW,SOIL,R4-5-95,
Quant Time: Apr 6 8:17 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 10:31:23 1995
Response via : Single Level Calibration



000009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4181.D
 Acq On : 5 Apr 95 18:07 pm
 Sample : 2349003,1-16-2,
 Misc : 1,,9,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 6 8:17 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 364445 | 50.00 | ug/l | 0.01 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1609336 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1066131 | 50.00 | ug/l | 0.01 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.27 | 65 | 580832 | 51.71 | ug/l | 103.42% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1405171 | 54.96 | ug/l | 109.92% |
| 47) CS10 4-Bromofluorobenzene | 18.74 | 95 | 967186 | 54.66 | ug/l | 109.31% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 6) C030 Methylene Chloride | 5.97 | 84 | 39639 | 3.70 | ug/l | 91 |
| 7) C035 Acetone | 5.14 | 43 | 52498 | 14.87 | ug/l | 84 |
| 31) C165 Benzene | 9.47 | 78 | 43920 | 1.71 | ug/l | 100 |
| 44) C230 Toluene | 12.94 | 91 | 169794 | 6.63 | ug/l | 98 |
| 46) C240 Ethylbenzene | 16.18 | 106 | 1133612 | 122.04 | ug/l | 96 |
| 49) C250 M-P, Xylene | 16.35 | 106 | 5918806 | 526.97 | ug/l | 98 |
| 50) C255 O-Xylene | 17.33 | 106 | 3008177 | 267.83 | ug/l | 98 |

000010

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-2DL

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4199.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 9

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 5.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

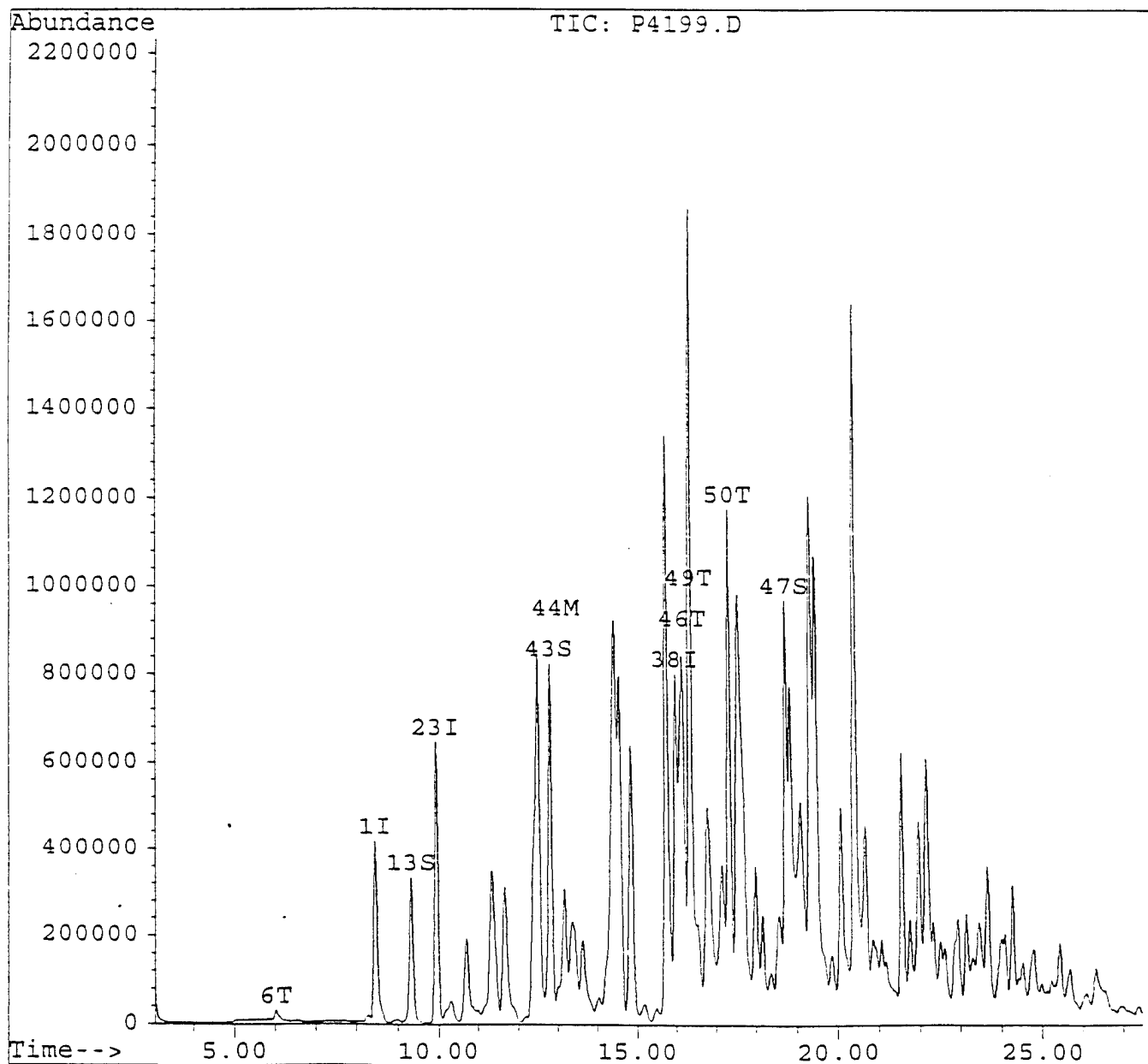
| | | | |
|-----------------|----------------------------|------|-----|
| 74-87-3----- | Chloromethane | 55 | U |
| 74-83-9----- | Bromomethane | 55 | U |
| 75-01-4----- | Vinyl Chloride | 55 | U |
| 75-00-3----- | Chloroethane | 55 | U |
| 75-09-2----- | Methylene Chloride | 14 | JBD |
| 67-64-1----- | Acetone | 55 | U |
| 75-15-0----- | Carbon Disulfide | 55 | U |
| 75-35-4----- | 1,1-Dichloroethene | 55 | U |
| 75-34-3----- | 1,1-Dichloroethane | 55 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 55 | U |
| 67-66-3----- | Chloroform | 55 | U |
| 107-06-2----- | 1,2-Dichloroethane | 55 | U |
| 78-93-3----- | 2-Butanone | 55 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 55 | U |
| 56-23-5----- | Carbon Tetrachloride | 55 | U |
| 75-27-4----- | Bromodichloromethane | 55 | U |
| 78-87-5----- | 1,2-Dichloropropane | 55 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 55 | U |
| 79-01-6----- | Trichloroethene | 55 | U |
| 124-48-1----- | Dibromochloromethane | 55 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 55 | U |
| 71-43-2----- | Benzene | 55 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 55 | U |
| 75-25-2----- | Bromoform | 55 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 55 | U |
| 591-78-6----- | 2-Hexanone | 55 | U |
| 127-18-4----- | Tetrachloroethene | 55 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 55 | U |
| 108-88-3----- | Toluene | 10 | JD |
| 108-90-7----- | Chlorobenzene | 55 | U |
| 100-41-4----- | Ethylbenzene | 160 | D |
| 100-42-5----- | Styrene | 55 | U |
| 1330-20-7----- | Xylene (total) | 1100 | D |
| 108-05-4----- | Vinyl Acetate | 55 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4199.D
Acq On : 6 Apr 95 13:30 pm
Sample : 2349003,1-16-2DL,
Misc : 5,,9,,1,5,LOW,SOIL,R4-3-95,
Quant Time: Apr 6 14:11 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000012

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4199.D
 Acq On : 6 Apr 95 13:30 pm
 Sample : 2349003,1-16-2DL,
 Misc : 5,,9,,1,5,LOW,SOIL,R4-3-95,
 Quant Time: Apr 6 14:11 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.45 | 128 | 315880 | 50.00 | ug/l | 0.08 |
| 23) CI10 1,4-Difluorobenzene | 9.94 | 114 | 1642655 | 50.00 | ug/l | 0.06 |
| 38) CI20 Chlorobenzene-d5 | 15.98 | 117 | 1277850 | 50.00 | ug/l | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.32 | 65 | 509630 | 56.33 | ug/l | 112.67% |
| 43) CS05 Toluene-d8 | 12.80 | 98 | 1518805 | 50.45 | ug/l | 100.90% |
| 47) CS10 4-Bromofluorobenzene | 18.74 | 95 | 1194078 | 57.24 | ug/l | 114.48% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 6) C030 Methylene Chloride | 6.02 | 84 | 25465 | 2.61 | ug/l | # 86 |
| 44) C230 Toluene | 12.97 | 91 | 53357 | 1.81 | ug/l | 99 |
| 46) C240 Ethylbenzene | 16.18 | 106 | 311831 | 28.60 | ug/l | 95 |
| 49) C250 M-P, Xylene | 16.35 | 106 | 1724585 | 133.41 | ug/l | 99 |
| 50) C255 O-Xylene | 17.33 | 106 | 945481 | 73.14 | ug/l | 100 |

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-17-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349004

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4196.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 3

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

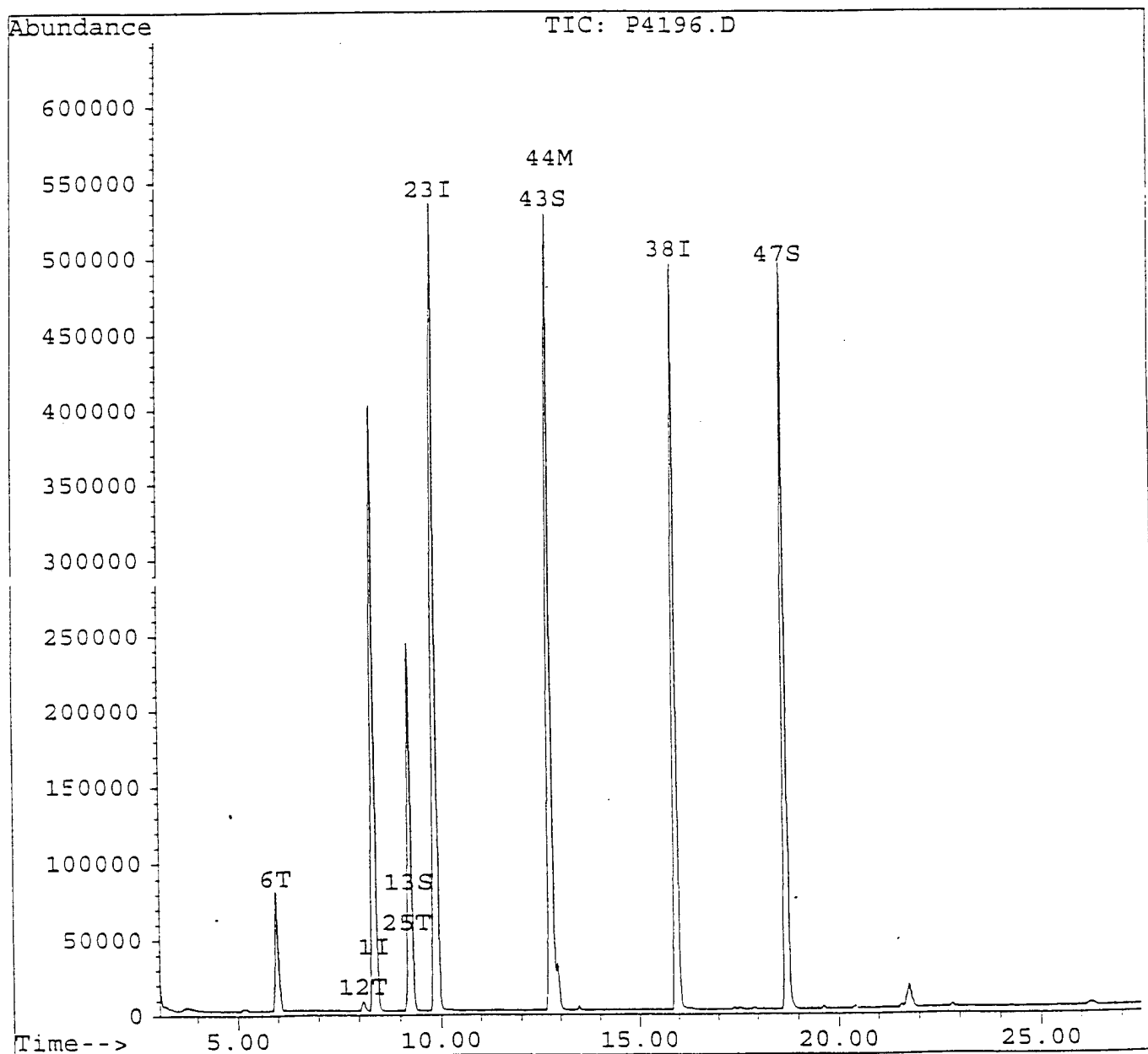
| | | | |
|------------|---------------------------------|----|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 10 | U |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 1 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 2 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 4 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4196.D
Acq On : 6 Apr 95 11:53 am
Sample : 2349004,1-17-1,
Misc : 1,,3,,5,5,LOW,SOIL,R4-3-95,
Quant Time: Apr 6 12:24 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000015

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4196.D
 Acq On : 6 Apr 95 11:53 am
 Sample : 2349004,1-17-1,
 Misc : 1,,3,,5,5,LOW,SOIL,R4-3-95,
 Quant Time: Apr 6 12:24 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 316172 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1409968 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.96 | 117 | 904414 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.24 | 65 | 449502 | 49.64 | ug/l | 99.28% |
| 43) CS05 Toluene-d8 | 12.76 | 98 | 1190714 | 55.89 | ug/l | 111.77% |
| 47) CS10 4-Bromofluorobenzene | 18.71 | 95 | 639162 | 43.29 | ug/l | 86.58% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|-------------------------------|-------|------|----------|-------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 100553 | 10.28 | ug/l | 93 |
| 12) C060 Chloroform | 8.10 | 83 | 19284 | 1.14 | ug/l | 95 |
| 25) C120 Carbon Tetrachloride | 9.18 | 117 | 21150 | 1.61 | ug/l | 93 |
| 44) C230 Toluene | 12.93 | 91 | 76294 | 3.66 | ug/l | 99 |

000016

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-17-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349007

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4185.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

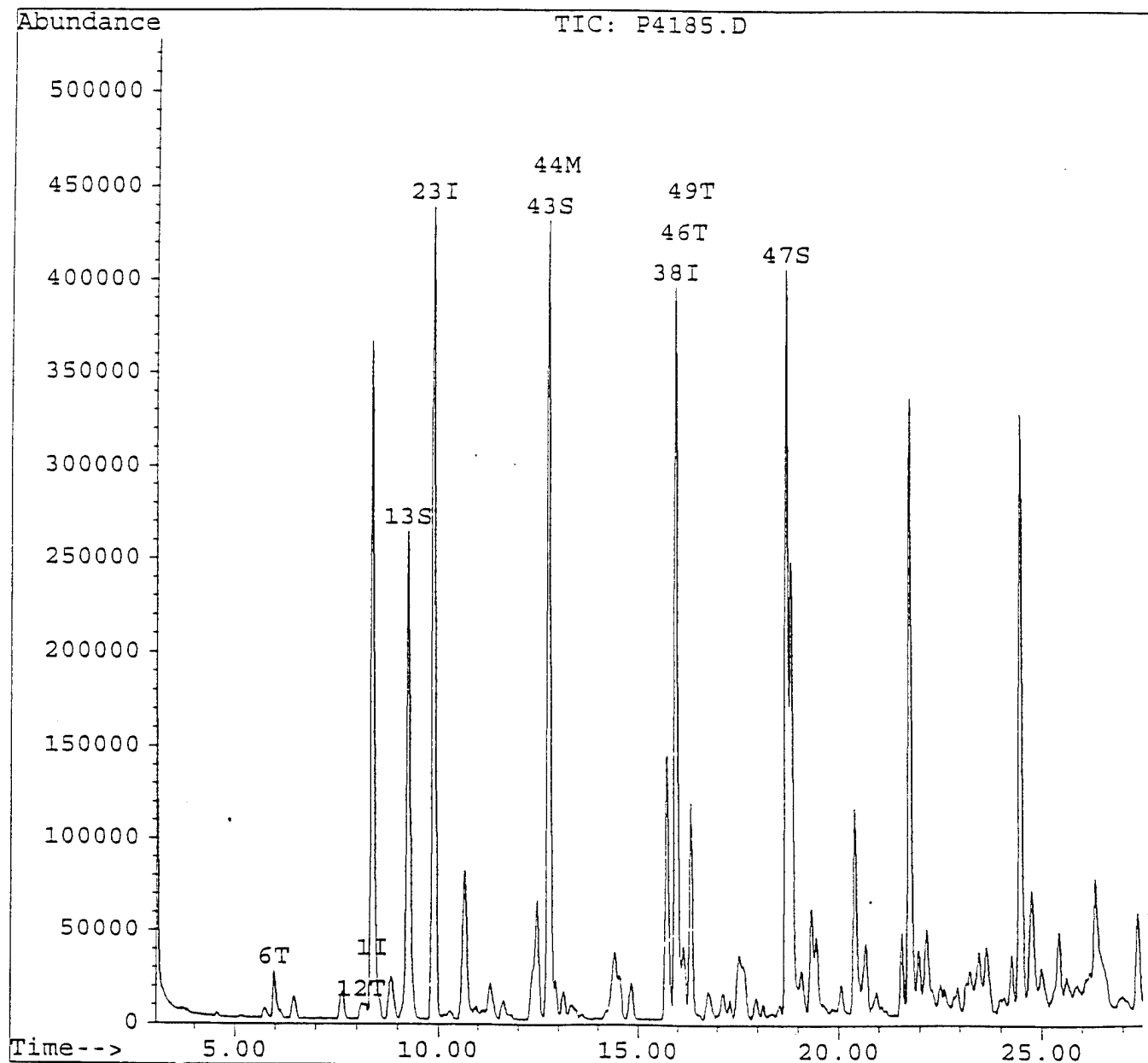
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 11 | U |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 11 | U |
| 67-66-3----- | Chloroform | 2 | J |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 11 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 11 | U |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 11 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 3 | J |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 4 | J |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 16 | |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4185.D
Acq On : 5 Apr 95 20:17 pm
Sample : 2349007,1-17-2,
Misc : 1,,8,,5,5,LOW,SOIL,R4-5-95,
Quant Time: Apr 6 8:23 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 10:31:23 1995
Response via : Single Level Calibration



000018

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4185.D
 Acq On : 5 Apr 95 20:17 pm
 Sample : 2349007,1-17-2,
 Misc : 1,,8,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 6 8:23 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 278369 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1114061 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.96 | 117 | 710006 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.25 | 65 | 420612 | 49.03 | ug/l | 98.05% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 932114 | 54.75 | ug/l | 109.49% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 516226 | 43.80 | ug/l | 87.61% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 32268 | 3.94 | ug/l | 95 |
| 12) C060 Chloroform | 8.11 | 83 | 23023 | 1.41 | ug/l | 91 |
| 44) C230 Toluene | 12.93 | 91 | 51797 | 3.04 | ug/l | 95 |
| 46) C240 Ethylbenzene | 16.15 | 106 | 20672 | 3.34 | ug/l | 94 |
| 49) C250 M-P, Xylene | 16.33 | 106 | 113046 | 15.11 | ug/l | 99 |

000019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349008

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4186.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

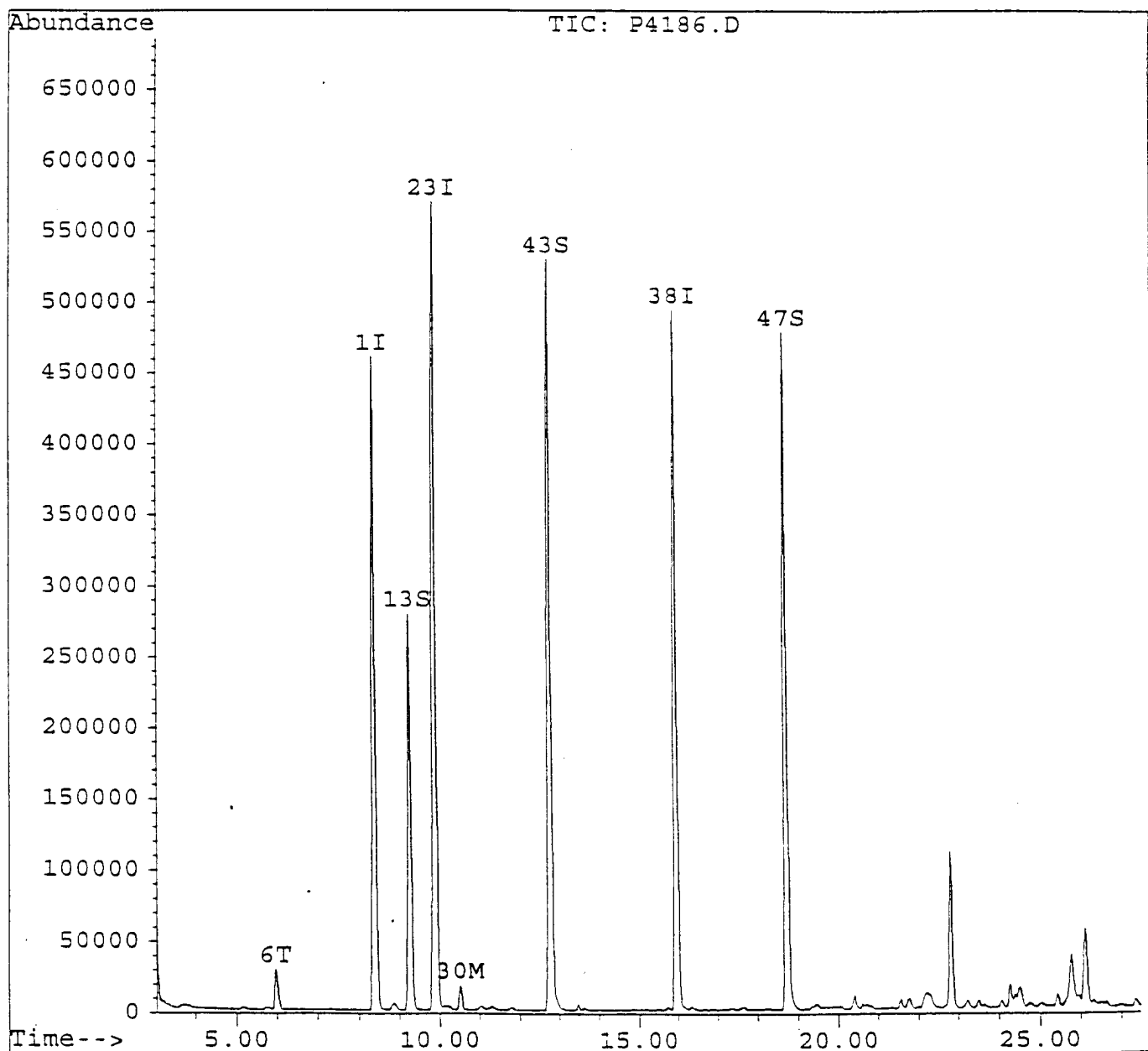
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 2 | J |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4186.D
Acq On : 5 Apr 95 20:50 pm
Sample : 2349008,1-18-1,
Misc : 1,,5,,5,5,LOW,SOIL,R4-5-95,
Quant Time: Apr 6 8:24 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Apr 05 10:31:23 1995
Response via : Single Level Calibration



000021

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4186.D
 Acq On : 5 Apr 95 20:50 pm
 Sample : 2349008,1-18-1,
 Misc : 1,,5,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 6 8:24 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min |
|------------------------------|-------|------|----------|-------|-------|---------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 356190 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1480389 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.96 | 117 | 890212 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.25 | 65 | 524654 | 47.79 | ug/l | 95.58% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 1182610 | 55.40 | ug/l | 110.79% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 608658 | 41.19 | ug/l | 82.38% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 37073 | 3.54 | ug/l | 97 |
| 30) C150 Trichloroethene | 10.51 | 130 | 20857 | 1.93 | ug/l | 88 |

000022

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349009

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4187.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 31 | |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 1 | J |
| 67-66-3----- | Chloroform | 11 | U |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 10 | J |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 2 | J |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 11 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 3 | J |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 11 | U |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 11 | U |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4187.D

Acq On : 5 Apr 95 21:22 pm

Sample : 2349009,1-18-2,

Misc : 1,,8,,5,5,LOW,SOIL,R4-5-95,

Quant Time: Apr 5 21:50 1995

Vial: 100

Operator: SC

Inst : HPP

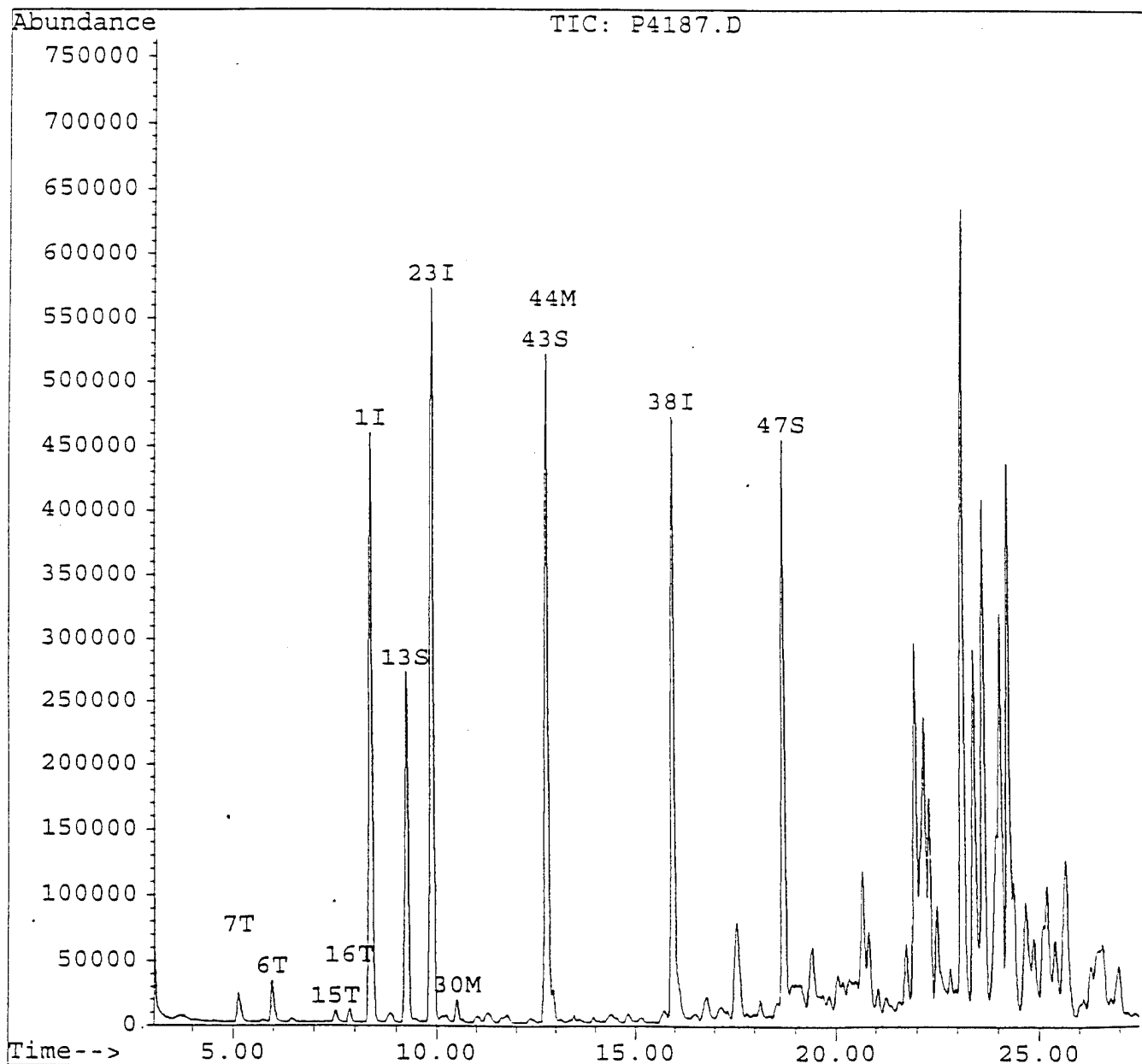
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M

Title : VOA Standards for 5 point calibration

Last Update : Wed Apr 05 10:31:23 1995

Response via : Single Level Calibration



000024

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0405\P4187.D
 Acq On : 5 Apr 95 21:22 pm
 Sample : 2349009,1-18-2,
 Misc : 1,,8,,5,5,LOW,SOIL,R4-5-95,
 Quant Time: Apr 5 21:50 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Apr 05 10:31:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0405\P4167.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 358362 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.87 | 114 | 1474715 | 50.00 | ug/l | -0.01 |
| 38) CI20 Chlorobenzene-d5 | 15.95 | 117 | 854648 | 50.00 | ug/l | -0.01 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.24 | 65 | 513720 | 46.51 | ug/l | 93.02% |
| 43) CS05 Toluene-d8 | 12.76 | 98 | 1147866 | 56.01 | ug/l | 112.01% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 565532 | 39.87 | ug/l | 79.73% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 41698 | 3.96 | ug/l | 98 |
| 7) C035 Acetone | 5.13 | 43 | 98882 | 28.48 | ug/l | 86 |
| 15) C110 2-Butanone | 7.52 | 43 | 45028 | 9.43 | ug/l | # 91 |
| 16) C055 Cis, 1,2-dichloroethe | 7.87 | 96 | 14391 | 1.31 | ug/l | 92 |
| 30) C150 Trichloroethene | 10.51 | 130 | 20897 | 1.95 | ug/l | 93 |
| 44) C230 Toluene | 12.93 | 91 | 58815 | 2.86 | ug/l | 98 |

000025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-20-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349010

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4197.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 10

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

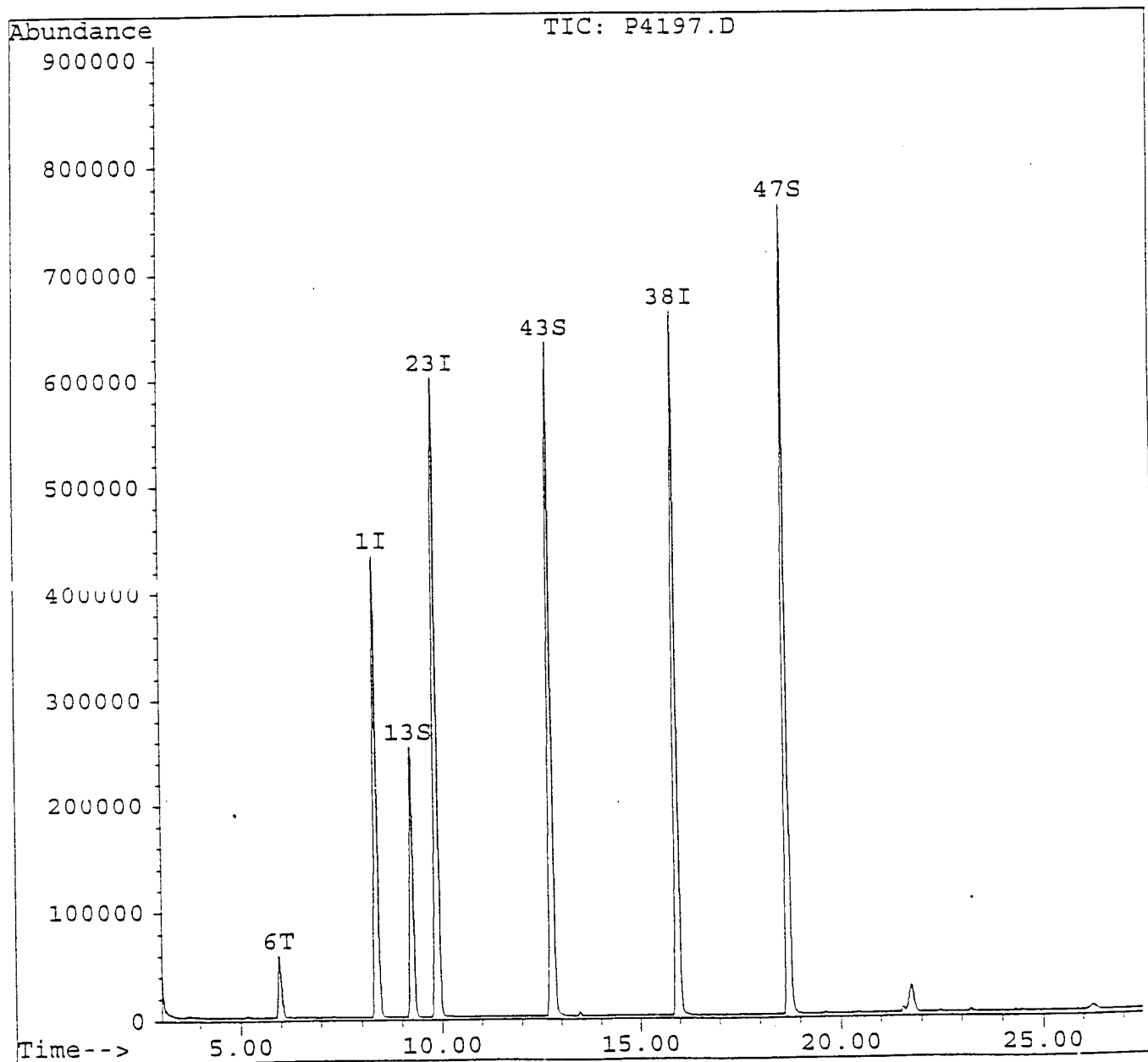
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 8 | JB |
| 67-64-1----- | Acetone | 11 | U |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 11 | U |
| 67-66-3----- | Chloroform | 11 | U |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 11 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 11 | U |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 11 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 11 | U |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 11 | U |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 11 | U |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4197.D
Acq On : 6 Apr 95 12:25 pm
Sample : 2349010,1-20-1,
Misc : 1,,10,,5,5;LOW,SOIL,R4-3-95,
Quant Time: Apr 6 12:53 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 09:11:16 1995
Response via : Single Level Calibration



000027

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4197.D
 Acq On : 6 Apr 95 12:25 pm
 Sample : 2349010,1-20-1,
 Misc : 1,,10,,5,5,LOW,SOIL,R4-3-95,
 Quant Time: Apr 6 12:53 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 339739 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1592314 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.96 | 117 | 1217264 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.24 | 65 | 480232 | 49.36 | ug/l | 98.71% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 1427795 | 49.79 | ug/l | 99.58% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 969843 | 48.80 | ug/l | 97.61% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|------|------|----------|------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 74022 | 7.04 | ug/l | 91 |

000028

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-21-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2349011

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4198.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 3

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

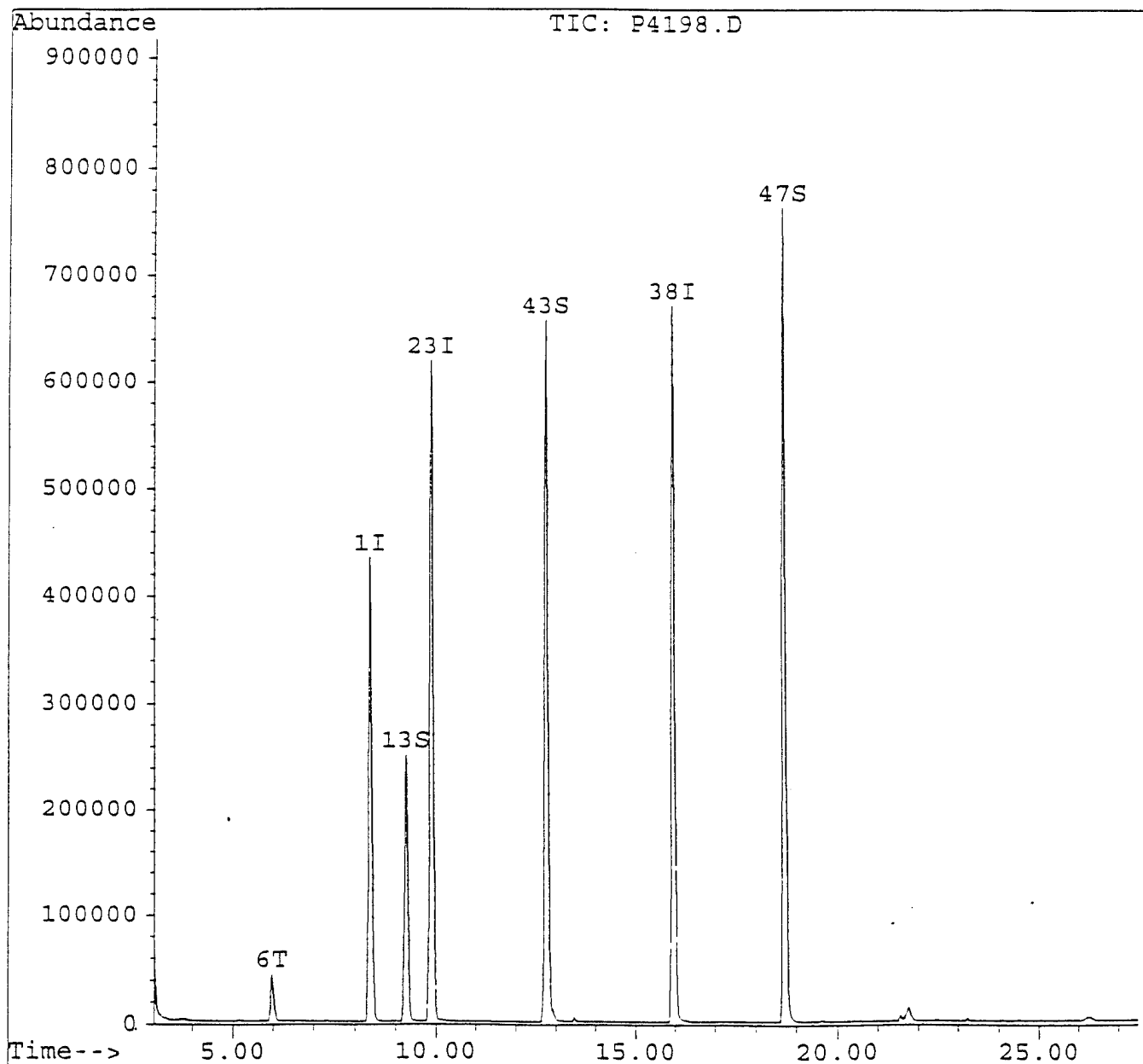
| | | | |
|------------|----------------------------|----|----|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | JB |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-5 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4198.D
Acq On : 6 Apr 95 12:58 pm
Sample : 2349011,1-21-1,
Misc : 1,,3,,5,5,LOW,SOIL,R4-3-95,
Quant Time: Apr 6 13:26 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 09:11:16 1995
Response via : Single Level Calibration



000030

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4198.D
 Acq On : 6 Apr 95 12:58 pm
 Sample : 2349011,1-21-1,
 Misc : 1,,3,,5,5,LOW,SOIL,R4-3-95,
 Quant Time: Apr 6 13:26 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.38 | 128 | 341626 | 50.00 | ug/l | 0.00 |
| 23) CI10 1,4-Difluorobenzene | 9.88 | 114 | 1626772 | 50.00 | ug/l | 0.00 |
| 38) CI20 Chlorobenzene-d5 | 15.96 | 117 | 1236144 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.25 | 65 | 478833 | 48.94 | ug/l | 97.88% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 1476088 | 50.69 | ug/l | 101.37% |
| 47) CS10 4-Bromofluorobenzene | 18.72 | 95 | 977380 | 48.43 | ug/l | 96.86% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|------|------|----------|------|-------|--------|
| 6) C030 Methylene Chloride | 5.96 | 84 | 53654 | 5.08 | ug/l | 91 |

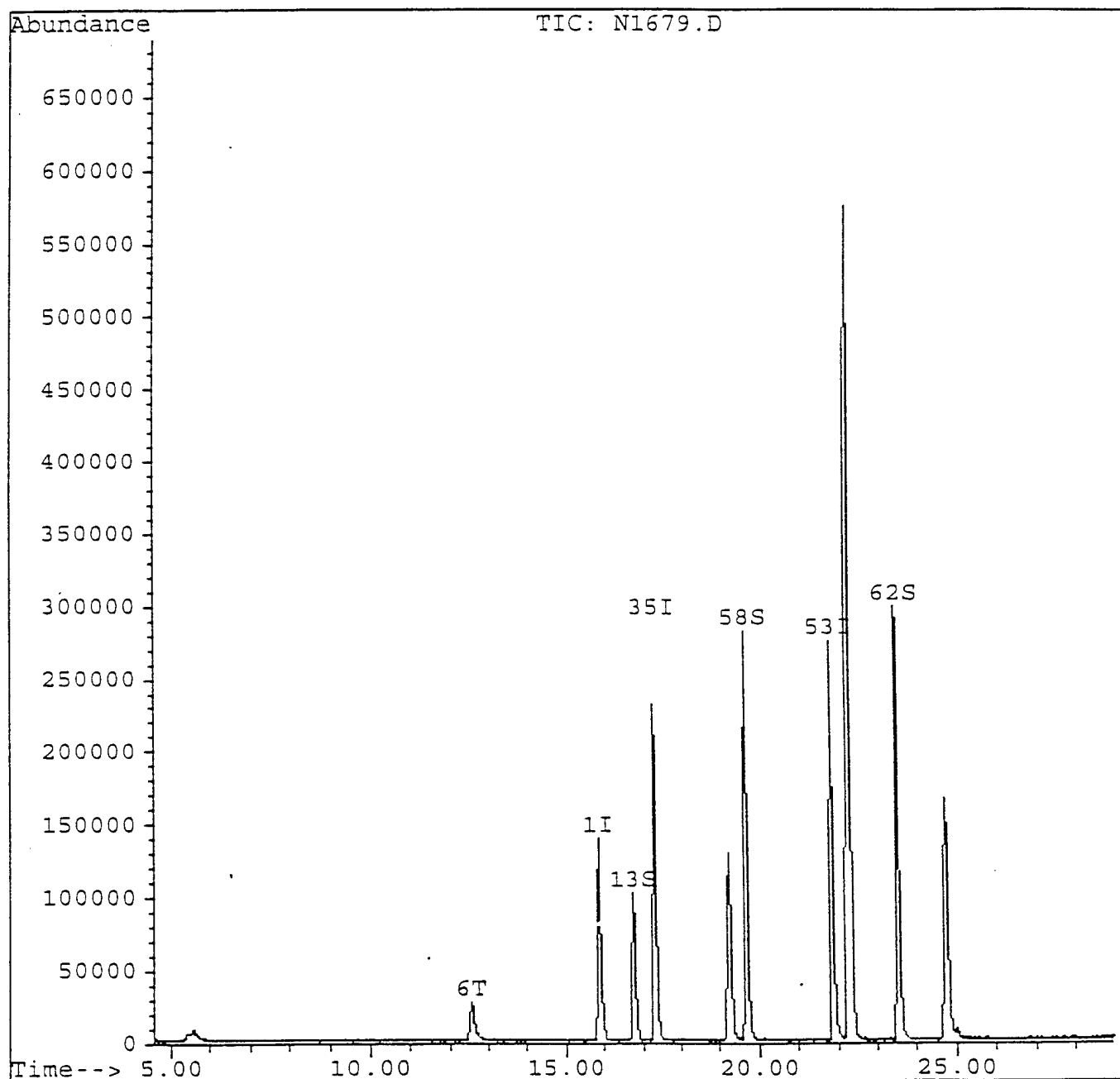
000031

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1679.D
Acq Time : 6 Apr 95 11:06 am
Sample : 2349012,FLDBK1,
Misc : 1,0,,,5,5,L,WATER,R04-05-95
Quant Time: Apr 6 11:35 1995

Operator: STM
Inst : HPN
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 10:08:49 1995
Response via : Single Level Calibration



000033

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2349013

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1680.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. _____

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 8 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1680.D
Acq Time : 6 Apr 95 11:40 am
Sample : 2349013,EQPBK1,
Misc : 1,0,,,5,5,L,WATER,R04-05-95
Quant Time: Apr 6 15:54 1995

Operator: STM
Inst : HPN
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 10:08:49 1995
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1677.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 15.88 | 128 | 110287 | 50.00 | ug/l | 0.00 |
| 35) CI10 1,4-Difluorobenzene | 17.32 | 114 | 625180 | 50.00 | ug/l | 0.00 |
| 53) CI20 Chlorobenzene-d5 | 21.86 | 117 | 477975 | 50.00 | ug/l | -0.01 |

| System Monitoring Compounds | | | | | | %Recovery |
|--------------------------------|-------|----|--------|-------|------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 16.76 | 65 | 211469 | 47.15 | ug/l | 94.31% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 639780 | 54.17 | ug/l | 108.33% |
| 62) CS10 4-Bromofluorobenzene | 23.52 | 95 | 445819 | 56.35 | ug/l | 112.70% |

| Target Compounds | | | | | | Qvalue |
|----------------------------|-------|----|-------|------|------|--------|
| 6) C030 Methylene Chloride | 12.59 | 84 | 50307 | 7.65 | ug/l | 97 |

000037

(#) = qualifier out of range (m) = manual integration

N1680.D H2O0316.M

Thu Apr 06 22:00:23 1995

HPN

Page 1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2349014

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1681.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. _____

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

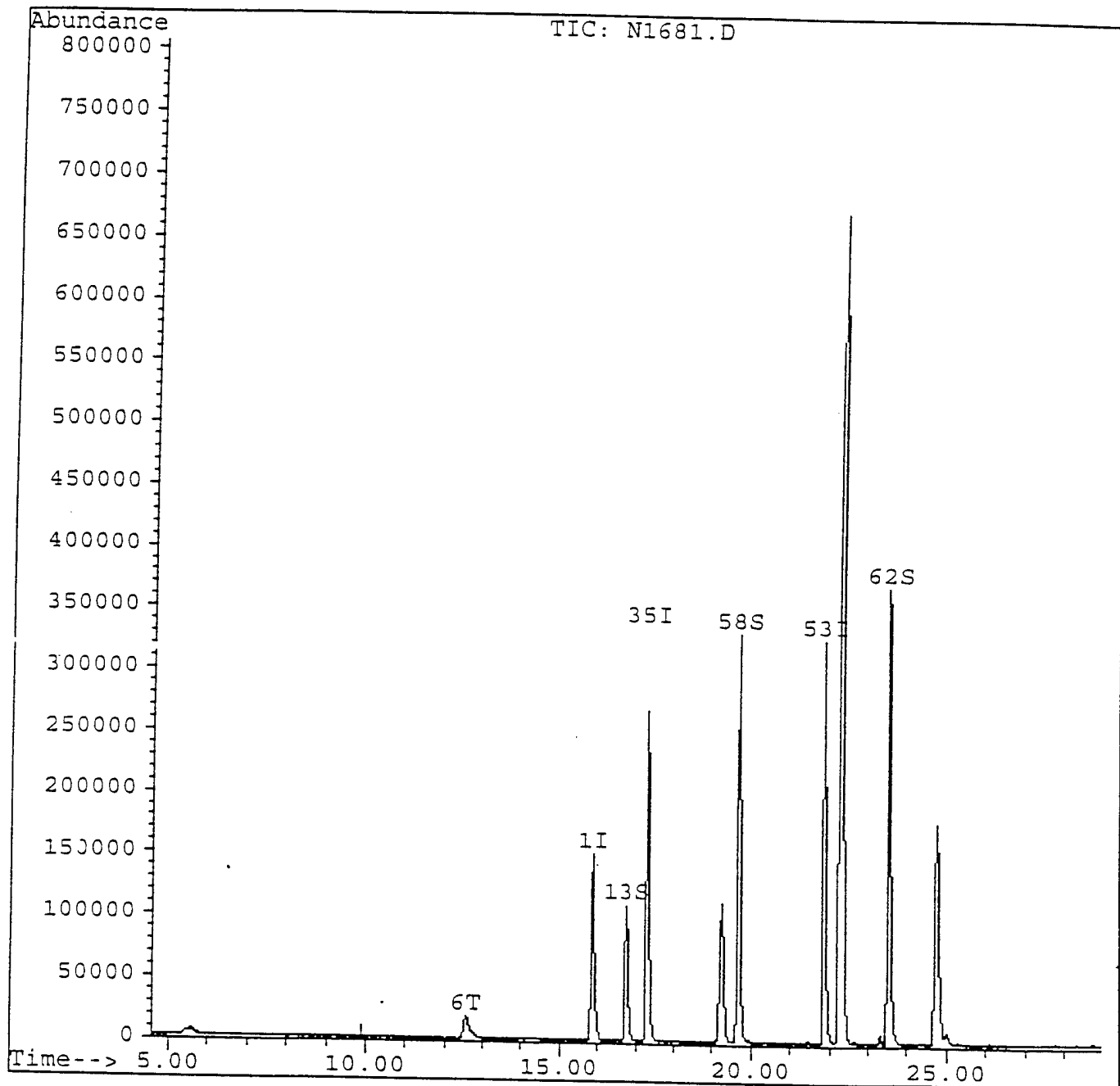
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|---------------------------------|--|----|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 8 | JB |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1681.D
 Acq Time : 6 Apr 95 12:15 pm
 Sample : 2349014,TRIP-1,
 Misc : 1,0,,,5,5,L,WATER,R04-05-95
 Quant Time: Apr 6 12:45 1995

Operator: STM
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 10:08:49 1995
 Response via : Single Level Calibration



000039

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1681.D
 Acq Time : 6 Apr 95 12:15 pm
 Sample : 2349014,TRIP-1,
 Misc : 1,0,,,5,5,L,WATER,R04-05-95
 Quant Time: Apr 6 12:45 1995

Operator: STM
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 10:08:49 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1677.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 15.86 | 128 | 110923 | 50.00 | ug/l | -0.03 |
| 35) CI10 1,4-Difluorobenzene | 17.30 | 114 | 636112 | 50.00 | ug/l | -0.03 |
| 53) CI20 Chlorobenzene-d5 | 21.85 | 117 | 493883 | 50.00 | ug/l | -0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 16.74 | 65 | 213141 | 47.25 | ug/l | 94.51% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 662416 | 54.28 | ug/l | 108.55% |
| 62) CS10 4-Bromofluorobenzene | 23.51 | 95 | 462696 | 56.60 | ug/l | 113.20% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 6) C030 Methylene Chloride | 12.55 | 84 | 55397 | 8.38 | ug/l | 94 |

000040

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2349015

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1697.D

Level: (lcw/med) LOW

Date Received: 04/05/95

% Moisture: not dec. _____

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

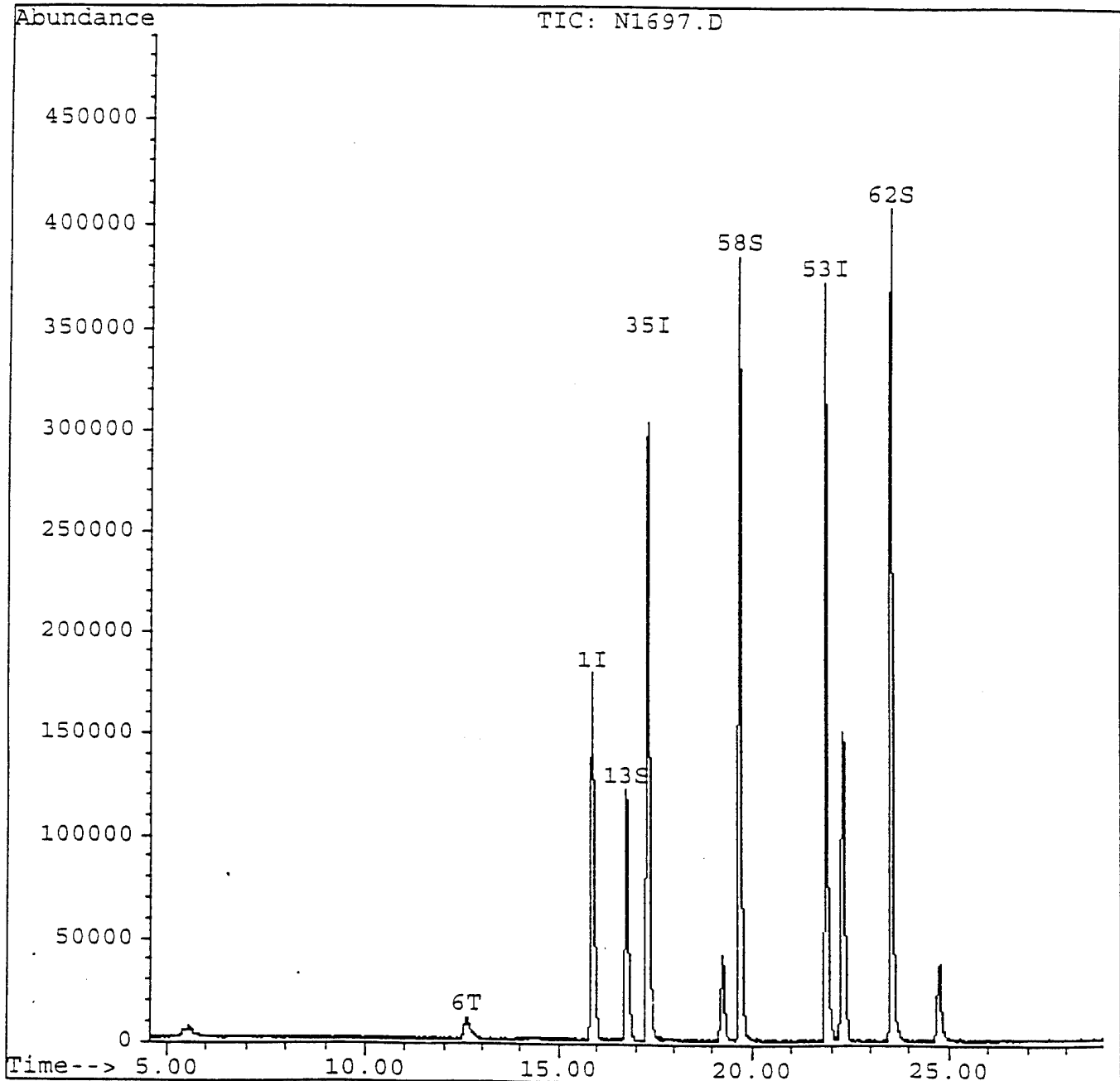
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 5 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-0----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1697.D
Acq Time : 6 Apr 95 21:46 pm
Sample : 2349015,TRIP-2,
Misc : 1,0,,,5,5,L,WATER,R04-05-95
Quant Time: Apr 6 22:16 1995

Operator: L.SINGH
Inst : HPN
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 21:39:23 1995
Response via : Single Level Calibration



000042

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1697.D
Acq Time : 6 Apr 95 21:46 pm
Sample : 2349015,TRIP-2,
Misc : 1,0,,,5,5,L,WATER,R04-05-95
Quant Time: Apr 6 22:16 1995

Operator: L.SINGH
Inst : HPN
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 21:39:23 1995
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1694.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 15.87 | 128 | 131417 | 50.00 | ug/l | -0.02 |
| 35) CI10 1,4-Difluorobenzene | 17.32 | 114 | 716545 | 50.00 | ug/l | -0.01 |
| 53) CI20 Chlorobenzene-d5 | 21.88 | 117 | 552719 | 50.00 | ug/l | 0.00 |
| | | | | | | %Recovery |
| System Monitoring Compounds | | | | | | |
| 13) CS15 1,2-Dichloroethane-d4 | 16.76 | 65 | 240432 | 46.99 | ug/l | 93.98% |
| 58) CS05 Toluene-d8 | 19.69 | 98 | 756585 | 45.83 | ug/l | 91.66% |
| 62) CS10 4-Bromofluorobenzene | 23.53 | 95 | 512463 | 45.23 | ug/l | 90.47% |
| | | | | | | Qvalue |
| Target Compounds | | | | | | |
| 6) C030 Methylene Chloride | 12.58 | 84 | 32254 | 5.48 | ug/l | 91 |

000043

(#) = qualifier out of range (m) = manual integration
N1697.D H2O0316.M Fri Apr 07 09:46:44 1995

HPN

Page 1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-23-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4204.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

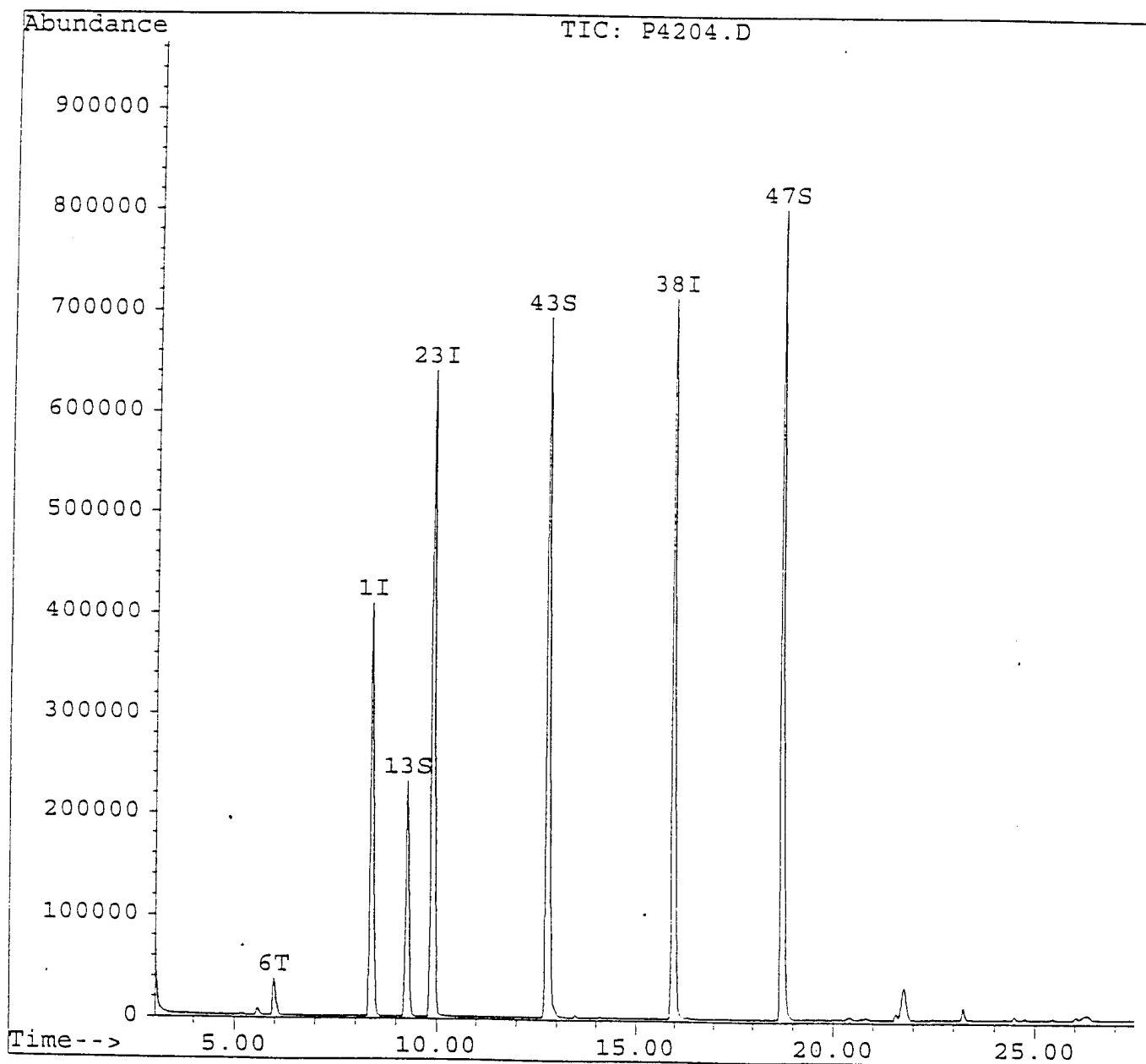
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 5 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4204.D
Acq On : 6 Apr 95 17:08 pm
Sample : 2350501,1-23-1,
Misc : 1,,4,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 10 8:07 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000045

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4204.D
 Acq On : 6 Apr 95 17:08 pm
 Sample : 2350501,1-23-1,
 Misc : 1,,4,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 10 8:07 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 318559 | 50.00 | ug/l | 0.02 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1689350 | 50.00 | ug/l | 0.02 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1315969 | 50.00 | ug/l | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.26 | 65 | 439091 | 48.13 | ug/l | 96.26% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1559533 | 50.30 | ug/l | 100.61% |
| 47) CS10 4-Bromofluorobenzene | 18.73 | 95 | 1021849 | 47.56 | ug/l | 95.13% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|------|------|----------|------|-------|--------|
| 6) C030 Methylene Chloride | 5.97 | 84 | 47799 | 4.85 | ug/l | # 88 |

000046

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4205.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

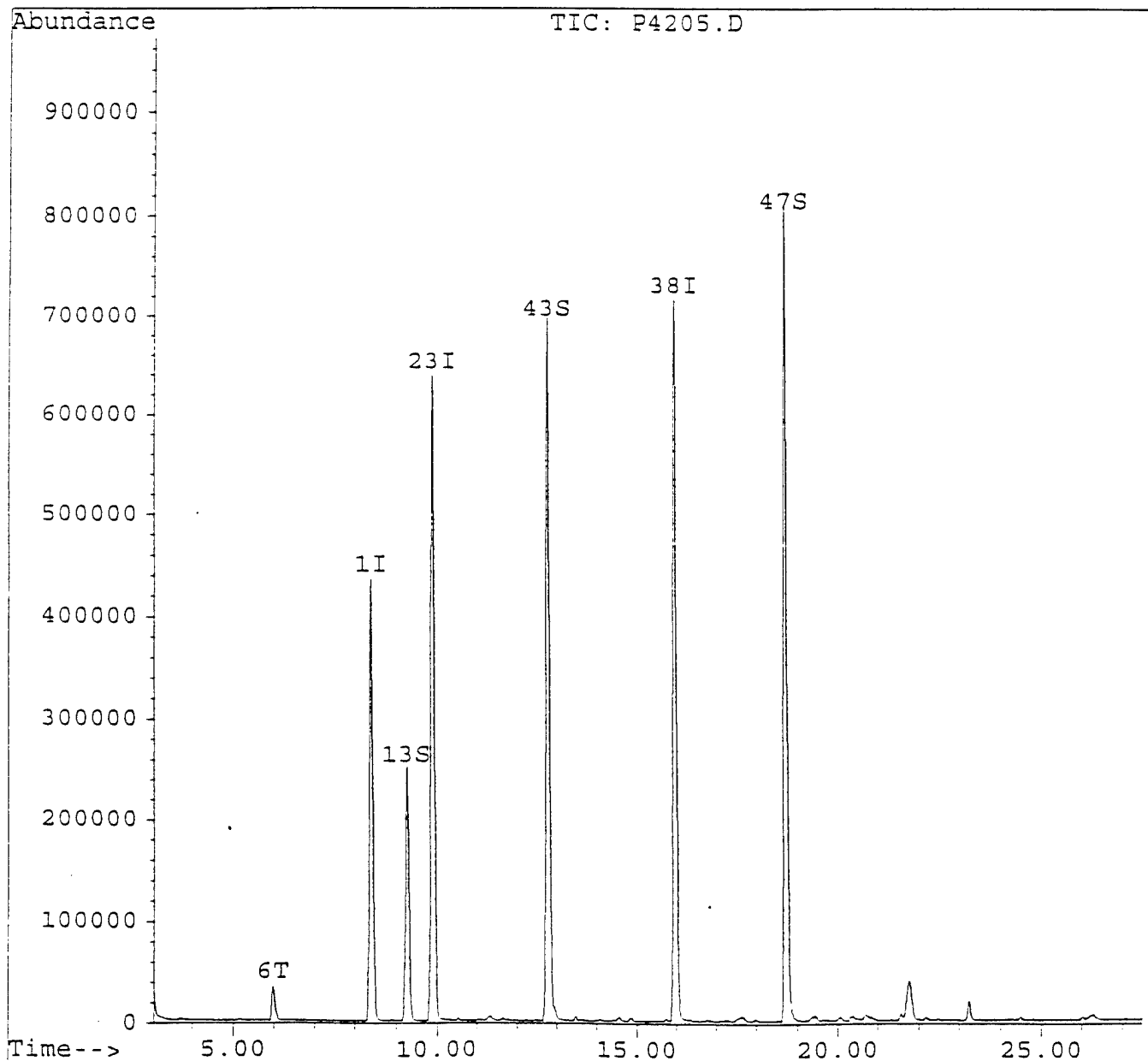
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4205.D
Acq On : 6 Apr 95 17:41 pm
Sample : 2350502,1-22-1,
Misc : 1,,5,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 6 18:09 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000048

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4205.D
 Acq On : 6 Apr 95 17:41 pm
 Sample : 2350502,1-22-1,
 Misc : 1,,5,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 6 18:09 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 341065 | 50.00 | ug/l | 0.02 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1690206 | 50.00 | ug/l | 0.02 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1317405 | 50.00 | ug/l | 0.02 |
| System Monitoring Compounds | | | | | | %Recovery |
| 13) CS15 1,2-Dichloroethane-d4 | 9.25 | 65 | 471676 | 48.29 | ug/l | 96.58% |
| 43) CS05 Toluene-d8 | 12.77 | 98 | 1573148 | 50.69 | ug/l | 101.38% |
| 47) CS10 4-Bromofluorobenzene | 18.73 | 95 | 1033057 | 48.03 | ug/l | 96.07% |
| Target Compounds | | | | | | Qvalue |
| 6) C030 Methylene Chloride | 5.97 | 84 | 42902 | 4.06 | ug/l | 97 |

000049

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1D

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350503

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4203.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

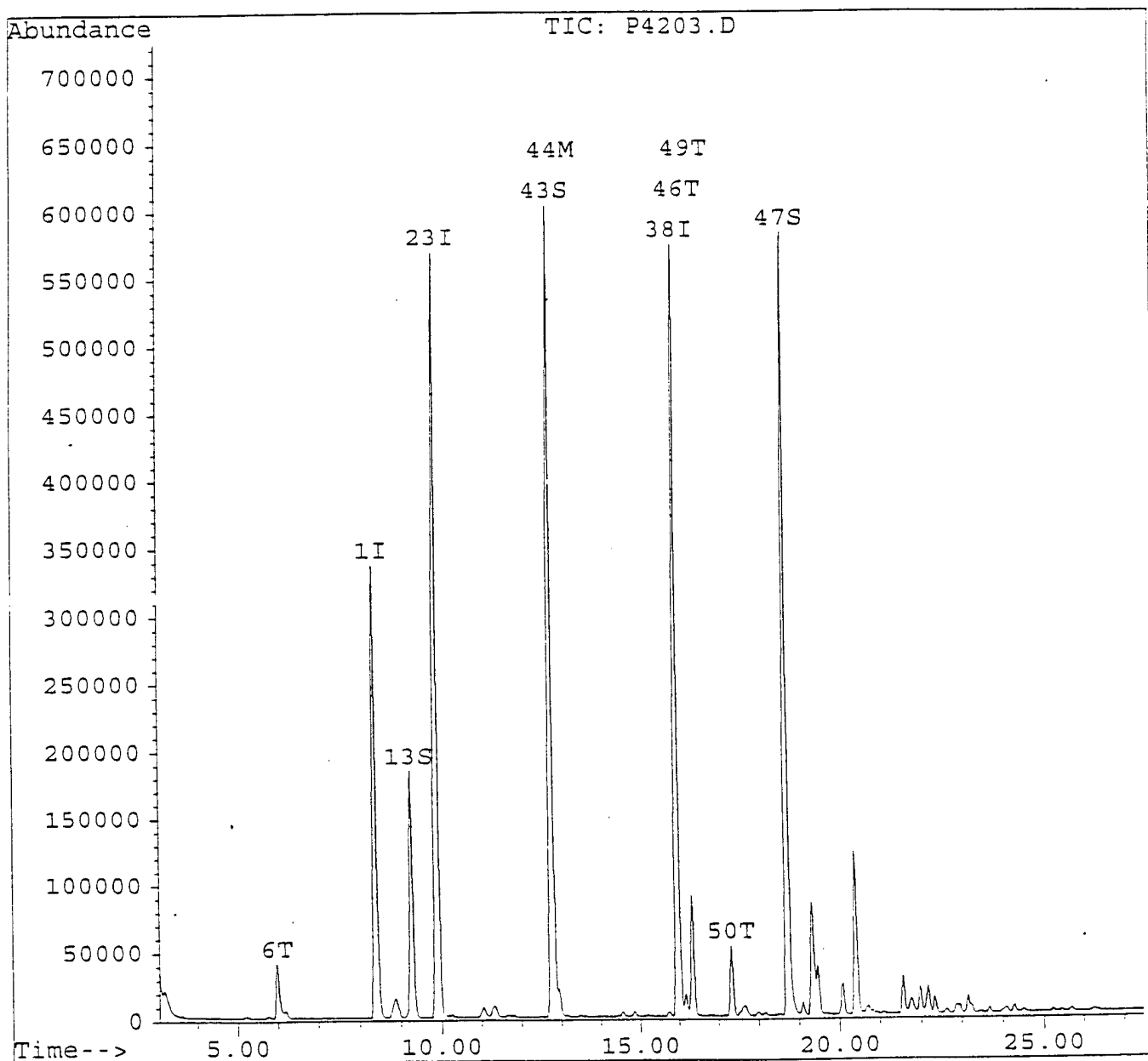
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 7 | JB |
| 67-64-1----- | Acetone | 11 | U |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 11 | U |
| 67-66-3----- | Chloroform | 11 | U |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 11 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 11 | U |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 11 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 2 | J |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 1 | J |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 14 | |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4203.D
Acq On : 6 Apr 95 16:36 pm
Sample : 2350503,1-22-1D,
Misc : 1,,6,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 6 17:04 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000051

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4203.D
 Acq On : 6 Apr 95 16:36 pm
 Sample : 2350503,1-22-1D,
 Misc : 1,,6,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 6 17:04 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 260102 | 50.00 | ug/l | 0.02 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1502224 | 50.00 | ug/l | 0.02 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1053421 | 50.00 | ug/l | 0.02 |

| System Monitoring Compounds | | | | | | %Recovery |
|--------------------------------|-------|----|---------|-------|------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.26 | 65 | 347496 | 46.65 | ug/l | 93.30% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1345510 | 54.22 | ug/l | 108.44% |
| 47) CS10 4-Bromofluorobenzene | 18.73 | 95 | 741416 | 43.11 | ug/l | 86.22% |

| Target Compounds | | | | | | Qvalue |
|----------------------------|-------|-----|-------|------|--------|--------|
| 6) C030 Methylene Chloride | 5.98 | 84 | 52129 | 6.48 | ug/l | 92 |
| 44) C230 Toluene | 12.95 | 91 | 48218 | 1.99 | ug/l | 95 |
| 46) C240 Ethylbenzene | 16.17 | 106 | 10986 | 1.22 | ug/l # | 84 |
| 49) C250 M-P, Xylene | 16.34 | 106 | 87361 | 8.20 | ug/l | 98 |
| 50) C255 O-Xylene | 17.33 | 106 | 49039 | 4.60 | ug/l | 86 |

000052

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350504

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4206.D

Level: (lcw/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|--|----|----|
| 74-87-3-----Chloromethane | 10 | U |
| 74-83-9-----Bromomethane | 10 | U |
| 75-01-4-----Vinyl Chloride | 10 | U |
| 75-00-3-----Chloroethane | 10 | U |
| 75-09-2-----Methylene Chloride | 4 | JB |
| 67-64-1-----Acetone | 10 | U |
| 75-15-0-----Carbon Disulfide | 10 | U |
| 75-35-4-----1,1-Dichloroethene | 10 | U |
| 75-34-3-----1,1-Dichloroethane | 10 | U |
| 540-59-0-----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3-----Chloroform | 10 | U |
| 107-06-2-----1,2-Dichloroethane | 10 | U |
| 78-93-3-----2-Butanone | 10 | U |
| 71-55-6-----1,1,1-Trichloroethane | 10 | U |
| 56-23-5-----Carbon Tetrachloride | 10 | U |
| 75-27-4-----Bromodichloromethane | 10 | U |
| 78-87-5-----1,2-Dichloropropane | 10 | U |
| 10061-01-5-----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6-----Trichloroethene | 10 | U |
| 124-48-1-----Dibromochloromethane | 10 | U |
| 79-00-5-----1,1,2-Trichloroethane | 10 | U |
| 71-43-2-----Benzene | 10 | U |
| 10061-02-6-----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2-----Bromoform | 10 | U |
| 108-10-1-----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6-----2-Hexanone | 10 | U |
| 127-18-4-----Tetrachloroethene | 10 | U |
| 79-34-5-----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3-----Toluene | 10 | U |
| 108-90-7-----Chlorobenzene | 10 | U |
| 100-41-4-----Ethylbenzene | 10 | U |
| 100-42-5-----Styrene | 10 | U |
| 1330-20-7-----Xylene (total) | 10 | U |
| 108-05-4-----Vinyl Acetate | 10 | U |

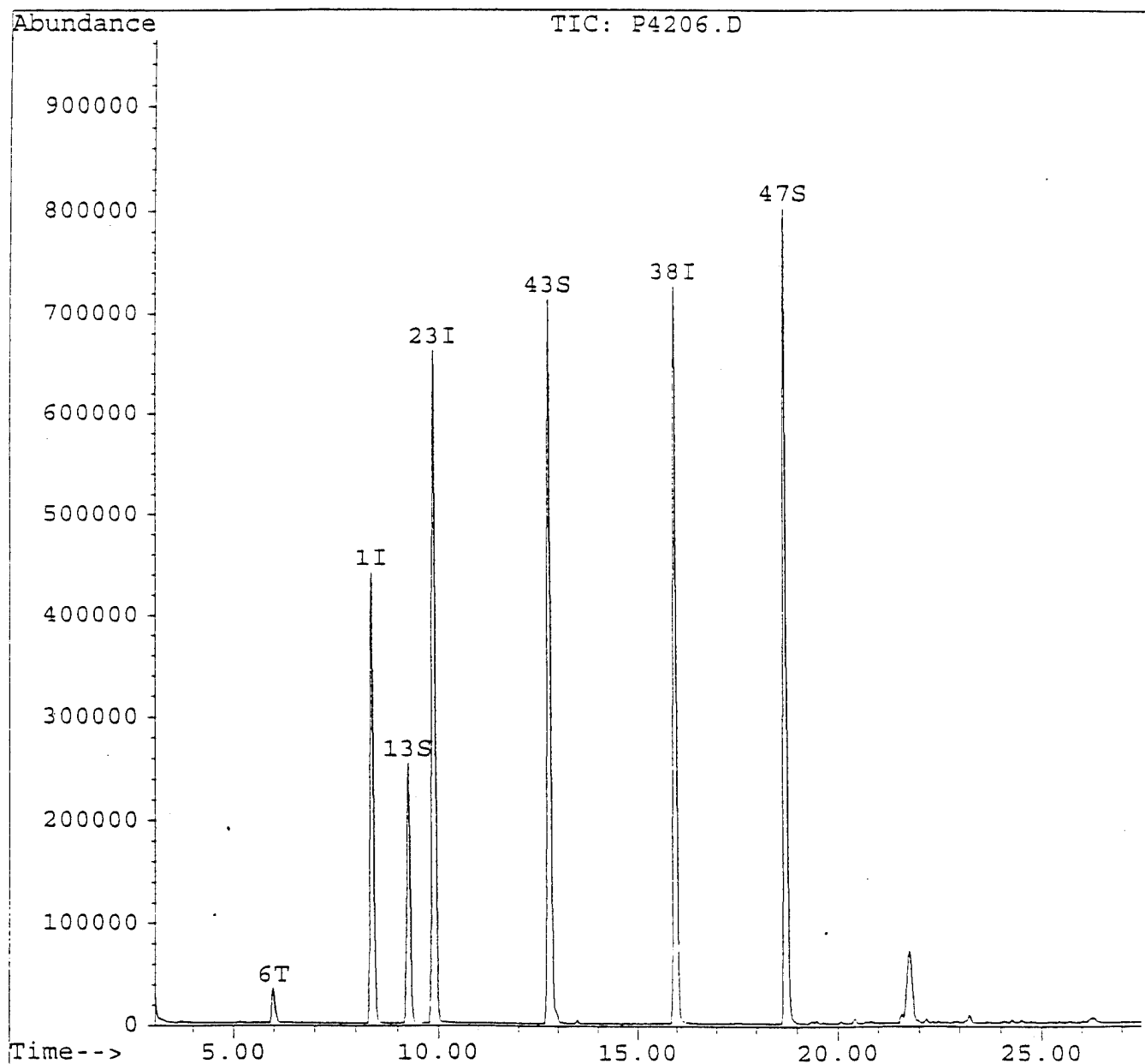
000053

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4206.D
Acq On : 6 Apr 95 18:13 pm
Sample : 2350504,1-19-1,
Misc : 1,,5,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 6 18:41 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000054

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4206.D
 Acq On : 6 Apr 95 18:13 pm
 Sample : 2350504,1-19-1,
 Misc : 1,,5,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 6 18:41 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 348286 | 50.00 | ug/l | 0.02 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1749931 | 50.00 | ug/l | 0.02 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1323901 | 50.00 | ug/l | 0.02 |
| System Monitoring Compounds | | | | | | %Recovery |
| 13) CS15 1,2-Dichloroethane-d4 | 9.26 | 65 | 480964 | 48.22 | ug/l | 96.44% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1601087 | 51.34 | ug/l | 102.67% |
| 47) CS10 4-Bromofluorobenzene | 18.73 | 95 | 1013662 | 46.90 | ug/l | 93.80% |
| Target Compounds | | | | | | Qvalue |
| 6) C030 Methylene Chloride | 5.98 | 84 | 45028 | 4.18 | ug/l | 98 |

000055

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350505

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4207.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|
|---------|----------|---|---|

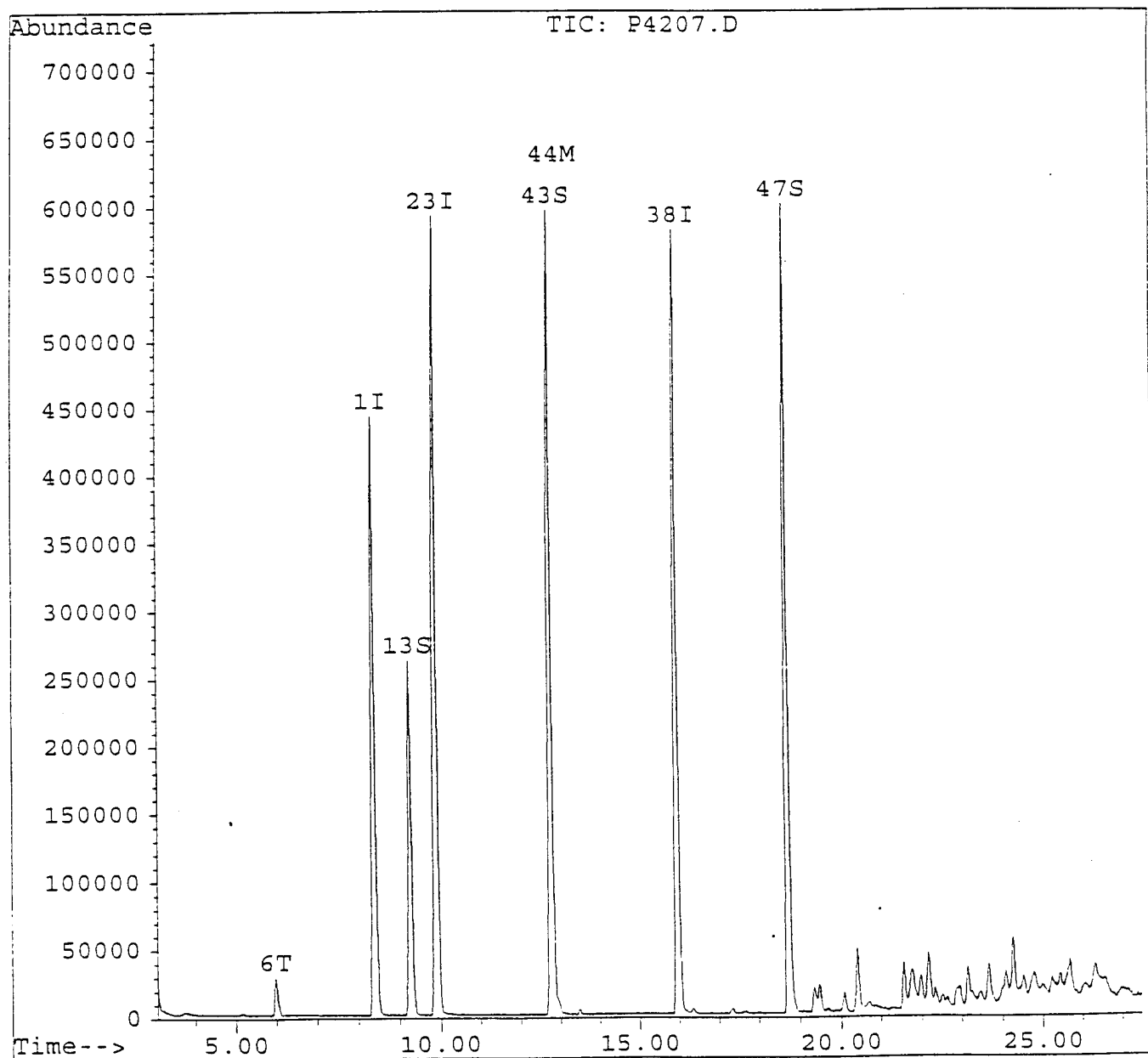
| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 11 | U |
| 74-83-9----- | Bromomethane | 11 | U |
| 75-01-4----- | Vinyl Chloride | 11 | U |
| 75-00-3----- | Chloroethane | 11 | U |
| 75-09-2----- | Methylene Chloride | 3 | JB |
| 67-64-1----- | Acetone | 11 | U |
| 75-15-0----- | Carbon Disulfide | 11 | U |
| 75-35-4----- | 1,1-Dichloroethene | 11 | U |
| 75-34-3----- | 1,1-Dichloroethane | 11 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 11 | U |
| 67-66-3----- | Chloroform | 11 | U |
| 107-06-2----- | 1,2-Dichloroethane | 11 | U |
| 78-93-3----- | 2-Butanone | 11 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 11 | U |
| 56-23-5----- | Carbon Tetrachloride | 11 | U |
| 75-27-4----- | Bromodichloromethane | 11 | U |
| 78-87-5----- | 1,2-Dichloropropane | 11 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 11 | U |
| 79-01-6----- | Trichloroethene | 11 | U |
| 124-48-1----- | Dibromochloromethane | 11 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 11 | U |
| 71-43-2----- | Benzene | 11 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 11 | U |
| 75-25-2----- | Bromoform | 11 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6----- | 2-Hexanone | 11 | U |
| 127-18-4----- | Tetrachloroethene | 11 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 11 | U |
| 108-88-3----- | Toluene | 1 | J |
| 108-90-7----- | Chlorobenzene | 11 | U |
| 100-41-4----- | Ethylbenzene | 11 | U |
| 100-42-5----- | Styrene | 11 | U |
| 1330-20-7----- | Xylene (total) | 11 | U |
| 108-05-4----- | Vinyl Acetate | 11 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4207.D
Acq On : 6 Apr 95 18:46 pm
Sample : 2350505,1-19-2,
Misc : 1,,6,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 10 8:08 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000057

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4207.D
 Acq On : 6 Apr 95 18:46 pm
 Sample : 2350505,1-19-2,
 Misc : 1,,6,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 10 8:08 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) CI01 Bromochloromethane | 8.39 | 128 | 350179 | 50.00 | ug/l | 0.02 |
| 23) CI10 1,4-Difluorobenzene | 9.89 | 114 | 1560462 | 50.00 | ug/l | 0.02 |
| 38) CI20 Chlorobenzene-d5 | 15.97 | 117 | 1068801 | 50.00 | ug/l | 0.02 |
| System Monitoring Compounds | | | | %Recovery | | |
| 13) CS15 1,2-Dichloroethane-d4 | 9.26 | 65 | 490540 | 48.91 | ug/l | 97.82% |
| 43) CS05 Toluene-d8 | 12.78 | 98 | 1343683 | 53.36 | ug/l | 106.73% |
| 47) CS10 4-Bromofluorobenzene | 18.73 | 95 | 765931 | 43.90 | ug/l | 87.79% |
| Target Compounds | | | | Qvalue | | |
| 6) C030 Methylene Chloride | 5.97 | 84 | 34932 | 3.22 | ug/l | 96 |
| 44) C230 Toluene | 12.95 | 91 | 26730 | 1.09 | ug/l | 87 |

000058

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-24-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: 2350506

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4208.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

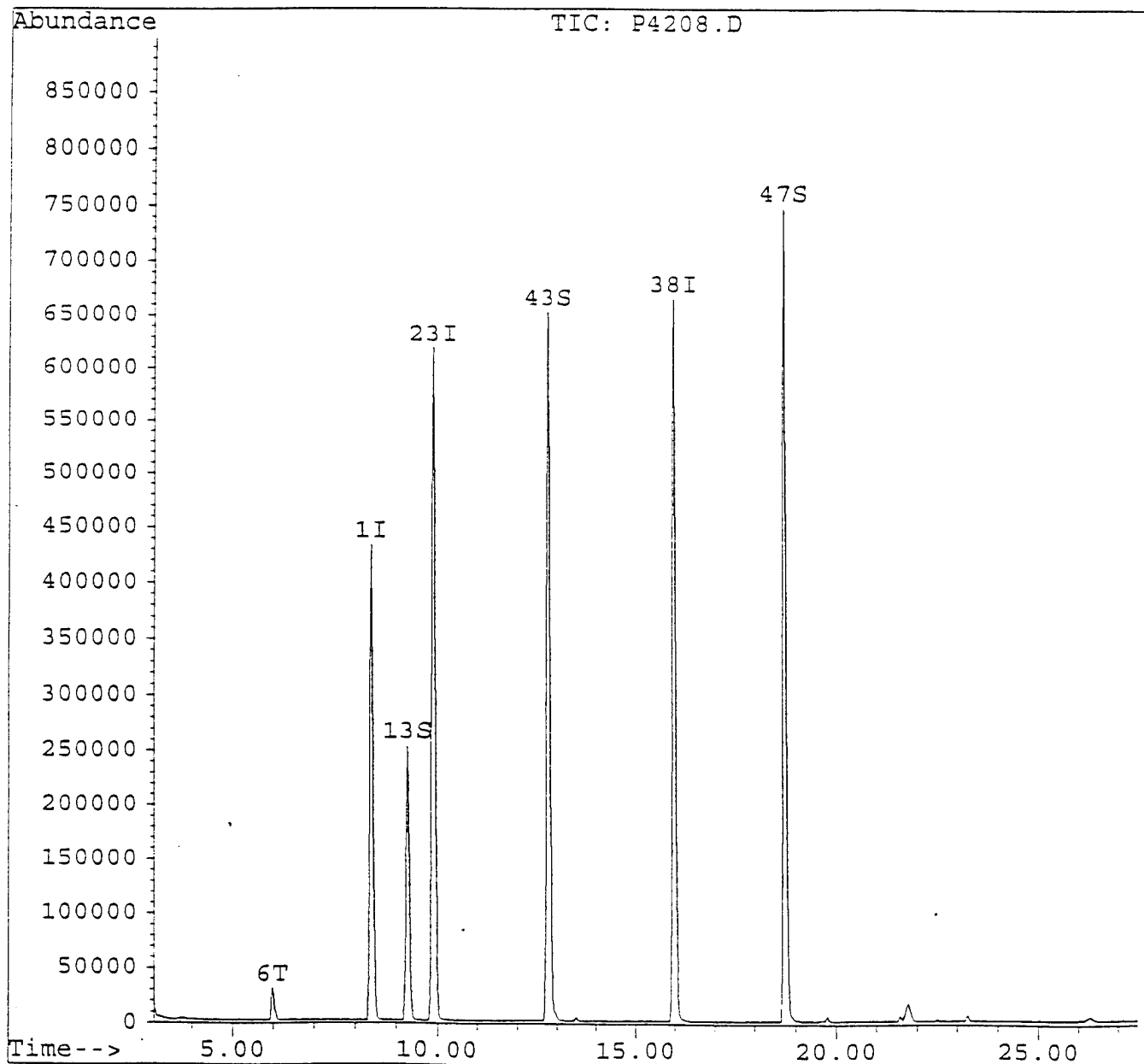
| | | | |
|------------|---------------------------------|----|----|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 4 | JB |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4208.D
Acq On : 6 Apr 95 19:18 pm
Sample : 2350506,1-24-1,
Misc : 1,,4,,5,5,LOW,SOIL,R4-6-95,
Quant Time: Apr 6 19:46 1995

Vial: 100
Operator: SC
Inst : HPP
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
Title : VOA Standards for 5 point calibration
Last Update : Sat Apr 08 12:24:42 1995
Response via : Single Level Calibration



000060

Quantitation Report

Data File : C:\HPCHEM\1\DATA\0406\P4208.D
 Acq On : 6 Apr 95 19:18 pm
 Sample : 2350506,1-24-1,
 Misc : 1,,4,,5,5,LOW,SOIL,R4-6-95,
 Quant Time: Apr 6 19:46 1995

Vial: 100
 Operator: SC
 Inst : HPP
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SOIL0317.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 09:11:16 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\P4191.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 8.40 | 128 | 339522 | 50.00 | ug/l | 0.03 |
| 23) CI10 1,4-Difluorobenzene | 9.90 | 114 | 1624935 | 50.00 | ug/l | 0.03 |
| 38) CI20 Chlorobenzene-d5 | 15.99 | 117 | 1229840 | 50.00 | ug/l | 0.04 |

| System Monitoring Compounds | | | | | | %Recovery |
|--------------------------------|-------|----|---------|-------|------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 9.27 | 65 | 477273 | 49.08 | ug/l | 98.17% |
| 43) CS05 Toluene-d8 | 12.79 | 98 | 1466677 | 50.62 | ug/l | 101.24% |
| 47) CS10 4-Bromofluorobenzene | 18.74 | 95 | 954479 | 47.54 | ug/l | 95.08% |

| Target Compounds | | | | | | Qvalue |
|----------------------------|------|----|-------|------|------|--------|
| 6) C030 Methylene Chloride | 5.97 | 84 | 37037 | 3.53 | ug/l | 93 |

000061

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2350507

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1701.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. _____

Data Analyzed: 04/07/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

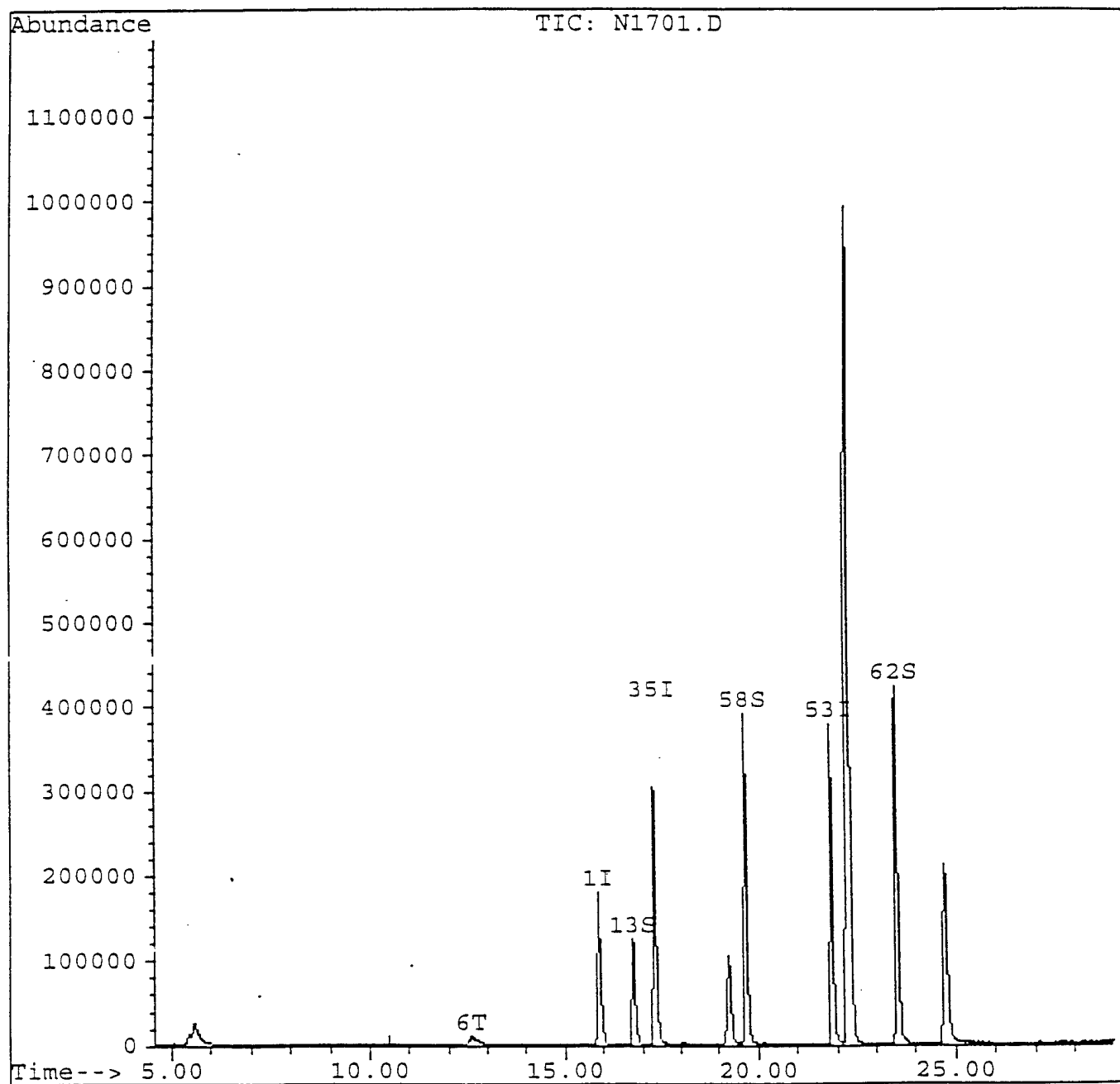
| | | | |
|------------|---------------------------------|----|----|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 5 | JB |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1701.D
 Acq Time : 7 Apr 95 00:07 am
 Sample : 2350507,EQPBK2,
 Misc : 1,1,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 9:24 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Single Level Calibration



000063

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1701.D
 Acq Time : 7 Apr 95 00:07 am
 Sample : 2350507,EQPBK2,
 Misc : 1,1,,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 9:24 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1694.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 15.88 | 128 | 130842 | 50.00 | ug/l | 0.00 |
| 35) CI10 1,4-Difluorobenzene | 17.31 | 114 | 722034 | 50.00 | ug/l | -0.02 |
| 53) CI20 Chlorobenzene-d5 | 21.87 | 117 | 564256 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 16.75 | 65 | 241650 | 47.43 | ug/l | 94.87% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 782089 | 46.40 | ug/l | 92.81% |
| 62) CS10 4-Bromofluorobenzene | 23.52 | 95 | 525806 | 45.46 | ug/l | 90.93% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 6) C030 Methylene Chloride | 12.59 | 84 | 29213 | 4.99 | ug/l m | 94 |

im
04-0-45

000064

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLDBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2350508

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1702.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. _____

Data Analyzed: 04/07/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|----------------------------|----|----|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 4 | JB |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1702.D

Acq Time : 7 Apr 95 00:42 am

Sample : 2350508, FLDBK2,

Misc : 1,1,,,5,5,L,WATER,R4-6-95

Quant Time: Apr 7 1:12 1995

Operator: L.SINGH

Inst : HPN

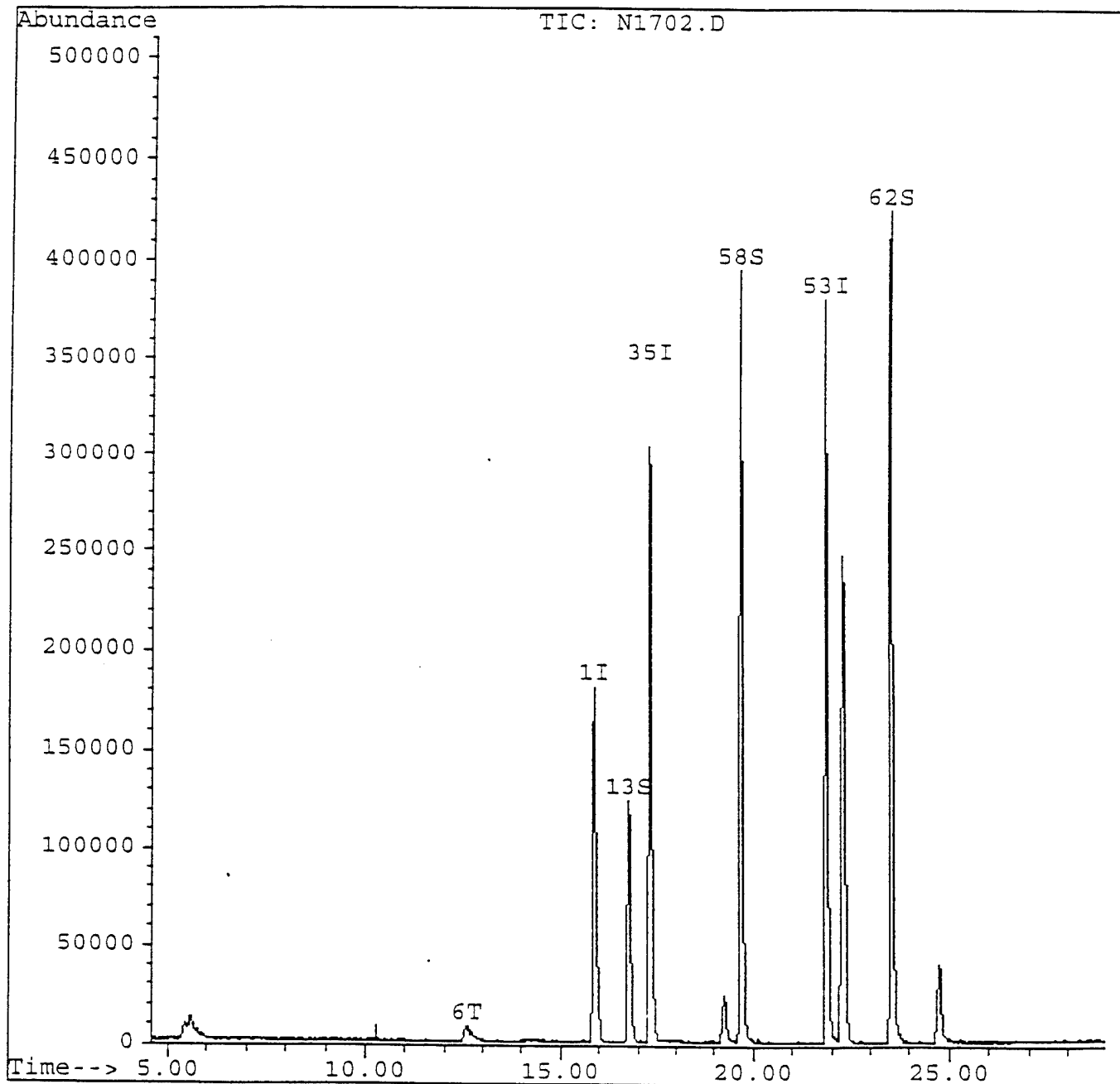
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M

Title : VOA Standards for 5 point calibration

Last Update : Thu Apr 06 21:39:23 1995

Response via : Single Level Calibration



000066

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1702.D
 Acq Time : 7 Apr 95 00:42 am
 Sample : 2350508, FLDBK2,
 Misc : 1,1,,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 1:12 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H200316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1694.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) CI01 Bromochloromethane | 15.87 | 128 | 132832 | 50.00 | ug/l | -0.02 |
| 35) CI10 1,4-Difluorobenzene | 17.31 | 114 | 726202 | 50.00 | ug/l | -0.02 |
| 53) CI20 Chlorobenzene-d5 | 21.86 | 117 | 563008 | 50.00 | ug/l | -0.01 |
| System Monitoring Compounds | | | | | | %Recovery |
| 13) CS15 1,2-Dichloroethane-d4 | 16.75 | 65 | 246195 | 47.60 | ug/l | 95.20% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 777759 | 46.25 | ug/l | 92.50% |
| 62) CS10 4-Bromofluorobenzene | 23.52 | 95 | 528759 | 45.82 | ug/l | 91.64% |
| Target Compounds | | | | | | Qvalue |
| 6) C030 Methylene Chloride | 12.57 | 84 | 24558 | 4.13 | ug/l | 90 |

000067

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-3

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2350509

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1703.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. _____

Data Analyzed: 04/07/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 10 | B |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

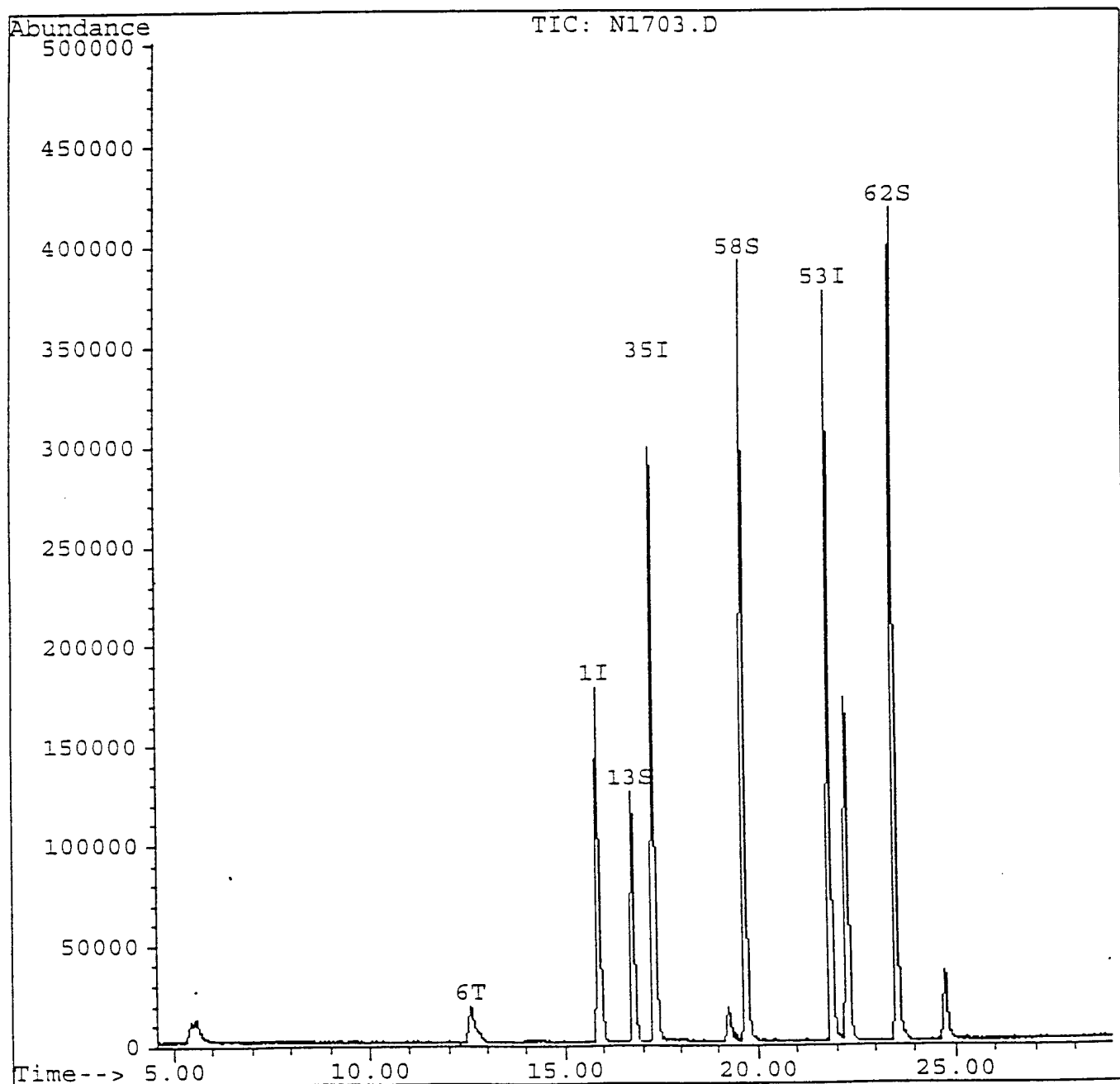
000068

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1703.D
 Acq Time : 7 Apr 95 1:18 am
 Sample : 2350509,TRIP-3,
 Misc : 1,1,,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 9:25 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Single Level Calibration



000069

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1703.D
 Acq Time : 7 Apr 95 1:18 am
 Sample : 2350509,TRIP-3,
 Misc : 1,1,,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 9:25 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1694.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|-------|------|----------|-------|-------|----------|
| 1) CI01 Bromochloromethane | 15.87 | 128 | 131256 | 50.00 | ug/l | -0.03 |
| 35) CI10 1,4-Difluorobenzene | 17.31 | 114 | 720120 | 50.00 | ug/l | -0.02 |
| 53) CI20 Chlorobenzene-d5 | 21.87 | 117 | 559195 | 50.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 13) CS15 1,2-Dichloroethane-d4 | 16.75 | 65 | 242588 | 47.47 | ug/l | 94.93% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 773179 | 46.29 | ug/l | 92.58% |
| 62) CS10 4-Bromofluorobenzene | 23.52 | 95 | 521559 | 45.50 | ug/l | 91.01% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 6) C030 Methylene Chloride | 12.57 | 84 | 57523 | 9.79 | ug/l m | 98 |

5/10/95-10-10

000070

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-4

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: 2350510

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1704.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. _____

Data Analyzed: 04/07/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 12 | B |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

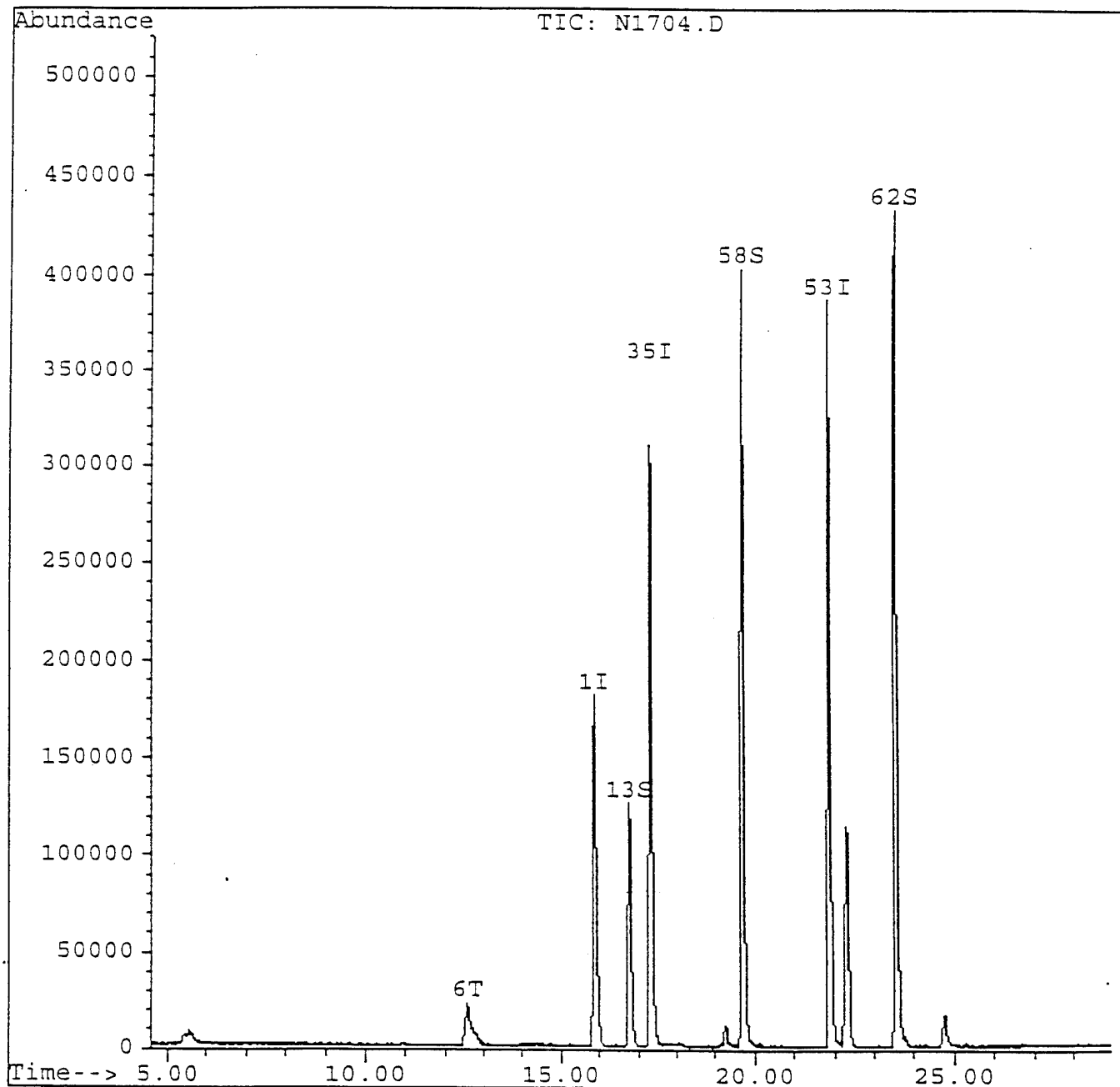
000071

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1704.D
Acq Time : 7 Apr 95 1:53 am
Sample : 2350510,TRIP-4,
Misc : 1,1,,,5,5,L,WATER,R4-6-95
Quant Time: Apr 7 9:26 1995

Operator: L.SINGH
Inst : HPN
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 06 21:39:23 1995
Response via : Single Level Calibration



000072

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0695\N1704.D
 Acq Time : 7 Apr 95 1:53 am
 Sample : 2350510, TRIP-4,
 Misc : 1,1,,,5,5,L,WATER,R4-6-95
 Quant Time: Apr 7 9:26 1995

Operator: L.SINGH
 Inst : HPN
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\H2O0316.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 06 21:39:23 1995
 Response via : Continuing Cal File: C:\HPCHEM\1\DATA\APR0695\N1694.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|-----------|
| 1) CI01 Bromochloromethane | 15.86 | 128 | 132185 | 50.00 | ug/l | -0.03 |
| 35) CI10 1,4-Difluorobenzene | 17.31 | 114 | 739934 | 50.00 | ug/l | -0.02 |
| 53) CI20 Chlorobenzene-d5 | 21.87 | 117 | 576813 | 50.00 | ug/l | 0.00 |
| | | | | | | %Recovery |
| System Monitoring Compounds | | | | | | |
| 13) CS15 1,2-Dichloroethane-d4 | 16.75 | 65 | 246922 | 47.98 | ug/l | 95.95% |
| 58) CS05 Toluene-d8 | 19.68 | 98 | 793867 | 46.08 | ug/l | 92.15% |
| 62) CS10 4-Bromofluorobenzene | 23.52 | 95 | 540272 | 45.70 | ug/l | 91.39% |
| | | | | | | Qvalue |
| Target Compounds | | | | | | |
| 6) C030 Methylene Chloride | 12.58 | 84 | 68452 | 11.57 | ug/l m | 97 |

SMC4-10-95

000073

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN02

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: VBLKN02

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1695.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|------------|---------------------------------|--|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 4 | J |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

000074

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VELKN1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) WATER

Lab Sample ID: VELKN1

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: N1678.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. _____

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 6 | J |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

000075

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBCLKP14

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: VBCLKP14

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4168.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0

Data Analyzed: 04/05/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|-----------------|----------------------------|----|---|
| 74-87-3----- | Chloromethane | 10 | U |
| 74-83-9----- | Bromomethane | 10 | U |
| 75-01-4----- | Vinyl Chloride | 10 | U |
| 75-00-3----- | Chloroethane | 10 | U |
| 75-09-2----- | Methylene Chloride | 3 | J |
| 67-64-1----- | Acetone | 10 | U |
| 75-15-0----- | Carbon Disulfide | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | 10 | U |
| 540-59-0----- | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3----- | Chloroform | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | 10 | U |
| 78-93-3----- | 2-Butanone | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | 10 | U |
| 75-27-4----- | Bromodichloromethane | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | 10 | U |
| 10061-01-5----- | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6----- | Trichloroethene | 10 | U |
| 124-48-1----- | Dibromochloromethane | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2----- | Benzene | 10 | U |
| 10061-02-6----- | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2----- | Bromoform | 10 | U |
| 108-10-1----- | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6----- | 2-Hexanone | 10 | U |
| 127-18-4----- | Tetrachloroethene | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3----- | Toluene | 10 | U |
| 108-90-7----- | Chlorobenzene | 10 | U |
| 100-41-4----- | Ethylbenzene | 10 | U |
| 100-42-5----- | Styrene | 10 | U |
| 1330-20-7----- | Xylene (total) | 10 | U |
| 108-05-4----- | Vinyl Acetate | 10 | U |

000076

2A

Contract: 9521649

Case No. : 23490

SDG No. : WCR1

| | | | | | | |
|----|--------|-----|-----|----|--|---|
| 01 | VLKN1 | 108 | 114 | 92 | | 0 |
| 02 | FLDBK1 | 109 | 110 | 94 | | 0 |
| 03 | EQPBK1 | 108 | 113 | 94 | | 0 |
| 04 | TRIP-1 | 108 | 113 | 94 | | 0 |
| 05 | VLKN02 | 93 | 91 | 94 | | 0 |
| 06 | TRIP-2 | 92 | 90 | 94 | | 0 |
| 07 | EQPBK2 | 93 | 91 | 95 | | 0 |
| 08 | FLDBK2 | 92 | 92 | 95 | | 0 |
| 09 | TRIP-3 | 92 | 91 | 95 | | 0 |
| 10 | TRIP-4 | 92 | 91 | 96 | | 0 |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| | QC LIMITS |
|------------------------------------|-----------|
| SMC1 (TOL) = Toluene-d8 | (88-110) |
| SMC2 (BFB) = Bromofluorobenzene | (86-115) |
| SMC3 (DCE) = 1,2-Dichloroethane-d4 | (75-114) |

```
# Column to be used to flag recovery values
```

* Values outside of contract required QC limits

D Surrogates diluted out

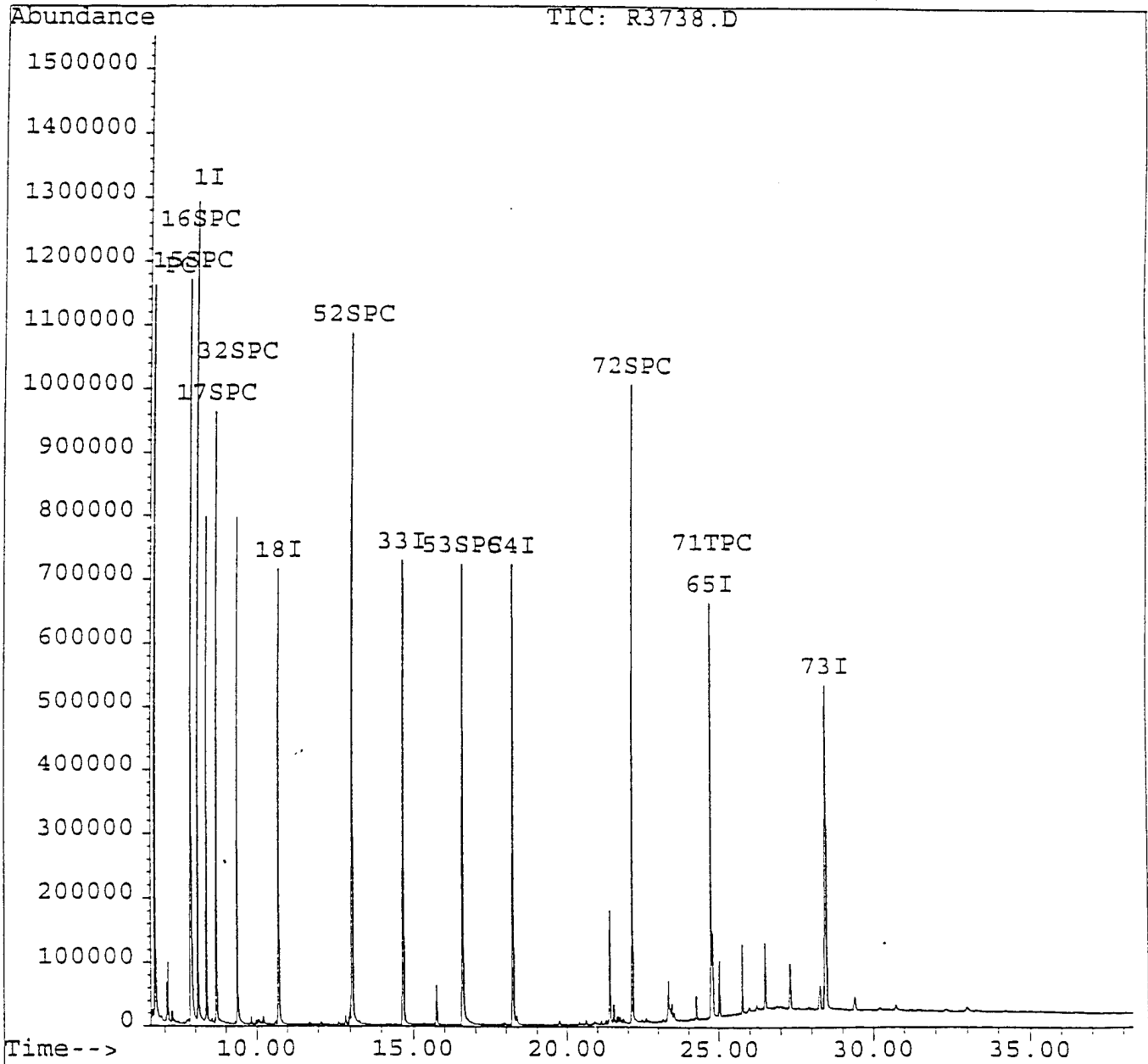
000078

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3738.d
Acq On : 13 Apr 95 1:36 am
Sample : 2349001,1-16-1,
Misc : 1,,,05-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 11:53 1995

Vial: 49
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 13 11:51:55 1995
Response via : Single Level Calibration



000004

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3738.d
 Acq On : 13 Apr 95 1:36 am
 Sample : 2349001,1-16-1,
 Misc : 1,,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:53 1995

Vial: 49
 Operator: Francis
 Inst : HPR
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.38 | 152 | 243993 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 10.73 | 136 | 866921 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.68 | 164 | 456653 | 20.00 | ug/L | -0.02 |
| 54) Phenanthrene-D10 | 18.23 | 188 | 702749 | 20.00 | ug/L | -0.02 |
| 65) Chrysene-D12 | 24.75 | 240 | 525920 | 20.00 | ug/L | -0.02 |
| 73) Perylene-D12 | 28.49 | 264 | 624131 | 20.00 | ug/L | 0.00 |

System Monitoring Compounds

| | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 6.68 | 112 | 627308 | 36.62 | ug/L | 48.83% |
| 15) Phenol-d5 | 7.88 | 99 | 707235 | 38.92 | ug/L | 51.89% |
| 16) 2-Chlorophenol-d4 | 8.10 | 132 | 663162 | 37.83 | ug/L | 50.44% |
| 17) 1,2-Dichlorobenzene-d4 | 8.69 | 150 | 513825 | 27.47 | ug/L | 54.94% |
| 32) Nitrobenzene-d5 | 9.37 | 82 | 427371 | 30.14 | ug/L | 60.27% |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 877679 | 31.16 | ug/L | 62.31% |
| 53) 2,4,6-Tribromophenol | 16.61 | 330 | 209142 | 38.03 | ug/L | 50.71% |
| 72) Terphenyl-d14 | 22.16 | 244 | 811806 | 36.24 | ug/L | 72.48% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 24.82 | 149 | 96273 | 2.96 | ug/L | 99 |

000005

(#) = qualifier out of range (m) = manual integration

r3738.d 8270R.M

Thu Apr 13 14:33:45 1995

HPPC

Page 1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-D

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349002

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3739.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 4 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 350 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000006

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| | | |
|--|-------------------|--|
| Lab Name: NYTEST ENV INC | Contract: 9521649 | 1-16-D |
| Lab Code: NYTEST | Case No.: 23490 | SAS No.: SDG No.: WOR1A |
| Matrix: (soil/water) SOIL | | Lab Sample ID: 2349002 |
| Sample wt/vol: 30.0 (g/mL) G | | Lab File ID: R3739.D |
| Level: (low/med) LOW | | Date Received: 04/05/95 |
| % Moisture: not dec. 4 dec. | | Date Extracted: 04/05/95 |
| Extraction: (SepF/Cont/Sonc) SONC | | Date Analyzed: 04/13/95 |
| GPC Cleanup: (Y/N) N pH: 7.0 | | Dilution Factor: 1.0 |

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 350 | U |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a)pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 350 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 350 | U |

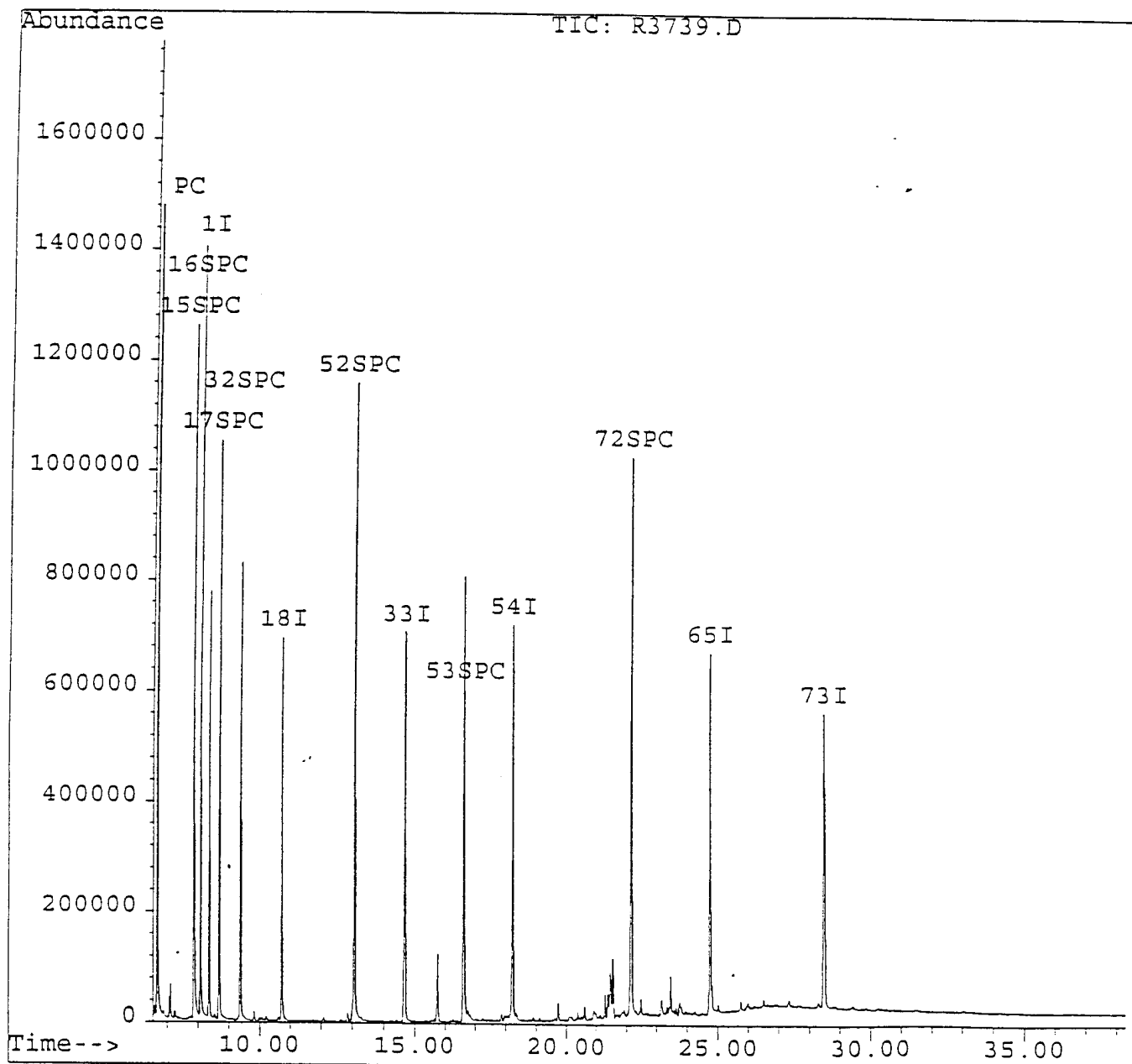
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3739.d
Acq On : 13 Apr 95 2:24 am
Sample : 2349002,1-16-D,
Misc : 1,,,05-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 11:54 1995

Vial: 50
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 13 11:51:55 1995
Response via : Single Level Calibration



000008

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3739.d
 Acq On : 13 Apr 95 2:24 am
 Sample : 2349002,1-16-D,
 Misc : 1,,05-APR-95,30,1,T8270, SOIL
 Quant Time:- Apr 13 11:54 1995

Vial: 50
 Operator: Francis
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.38 | 152 | 261158 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 10.73 | 136 | 908012 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 490014 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.23 | 188 | 750653 | 20.00 | ug/L | -0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 534242 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.49 | 264 | 650396 | 20.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 14) 2-Fluorophenol | 6.68 | 112 | 751585 | 40.99 | ug/L | 54.68 |
| 15) Phenol-d5 | 7.88 | 99 | 859312 | 44.18 | ug/L | 58.90 |
| 16) 2-Chlorophenol-d4 | 8.11 | 132 | 809634 | 43.15 | ug/L | 57.54 |
| 17) 1,2-Dichlorobenzene-d4 | 8.70 | 150 | 619324 | 30.94 | ug/L | 61.87 |
| 32) Nitrobenzene-d5 | 9.38 | 82 | 520895 | 35.07 | ug/L | 70.11 |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 1066544 | 35.28 | ug/L | 70.57 |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 270723 | 45.88 | ug/L | 61.17 |
| 72) Terphenyl-d14 | 22.18 | 244 | 927477 | 40.76 | ug/L | 81.51 |

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration

r3739.d 8270R.M

Thu Apr 13 14:36:13 1995

HPPC

Page 1

000009

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349003

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3740.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 9 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 10.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|-------|---|
| 108-95-2----- | Phenol | 3700 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 3700 | U |
| 95-57-8----- | 2-Chlorophenol | 3700 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 3700 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 3700 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 3700 | U |
| 95-48-7----- | 2-Methylphenol | 3700 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 3700 | U |
| 106-44-5----- | 4-Methylphenol | 3700 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 3700 | U |
| 67-72-1----- | Hexachloroethane | 3700 | U |
| 98-95-3----- | Nitrobenzene | 3700 | U |
| 78-59-1----- | Isophorone | 3700 | U |
| 88-75-5----- | 2-Nitrophenol | 3700 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 3700 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 3700 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 3700 | U |
| 91-20-3----- | Naphthalene | 370 | J |
| 106-47-8----- | 4-Chloroaniline | 3700 | U |
| 87-68-3----- | Hexachlorobutadiene | 3700 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 3700 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 3700 | U |
| 91-57-6----- | 2-Methylnaphthalene | 720 | J |
| 77-47-4----- | Hexachlorocyclopentadiene | 3700 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 3700 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 18000 | U |
| 91-58-7----- | 2-Chloronaphthalene | 3700 | U |
| 88-74-4----- | 2-Nitroaniline | 18000 | U |
| 131-11-3----- | Dimethylphthalate | 3700 | U |
| 208-96-8----- | Acenaphthylene | 3700 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 3700 | U |
| 99-09-2----- | 3-Nitroaniline | 18000 | U |
| 83-32-9----- | Acenaphthene | 3700 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000010

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349003

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3740.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 9 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 10.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 18000 | U |
| 100-02-7----- | 4-Nitrophenol | 18000 | U |
| 132-64-9----- | Dibenzofuran | 3700 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 3700 | U |
| 84-66-2----- | Diethylphthalate | 3700 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 3700 | U |
| 86-73-7----- | Fluorene | 3700 | U |
| 100-01-6----- | 4-Nitroaniline | 18000 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 18000 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 3700 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 3700 | U |
| 118-74-1----- | Hexachlorobenzene | 3700 | U |
| 87-86-5----- | Pentachlorophenol | 18000 | U |
| 85-01-8----- | Phenanthrene | 800 | J |
| 120-12-7----- | Anthracene | 3700 | U |
| 86-74-8----- | Carbazole | 3700 | U |
| 84-74-2----- | Di-n-butylphthalate | 3700 | U |
| 206-44-0----- | Fluoranthene | 1500 | J |
| 129-00-0----- | Pyrene | 1500 | J |
| 85-68-7----- | Butylbenzylphthalate | 3700 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 7300 | U |
| 56-55-3----- | Benzo(a)anthracene | 840 | J |
| 218-01-9----- | Chrysene | 1000 | J |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 3700 | U |
| 117-84-0----- | Di-n-octylphthalate | 3700 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 790 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 580 | J |
| 50-32-8----- | Benzo(a)pyrene | 740 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 3700 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 3700 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 420 | J |

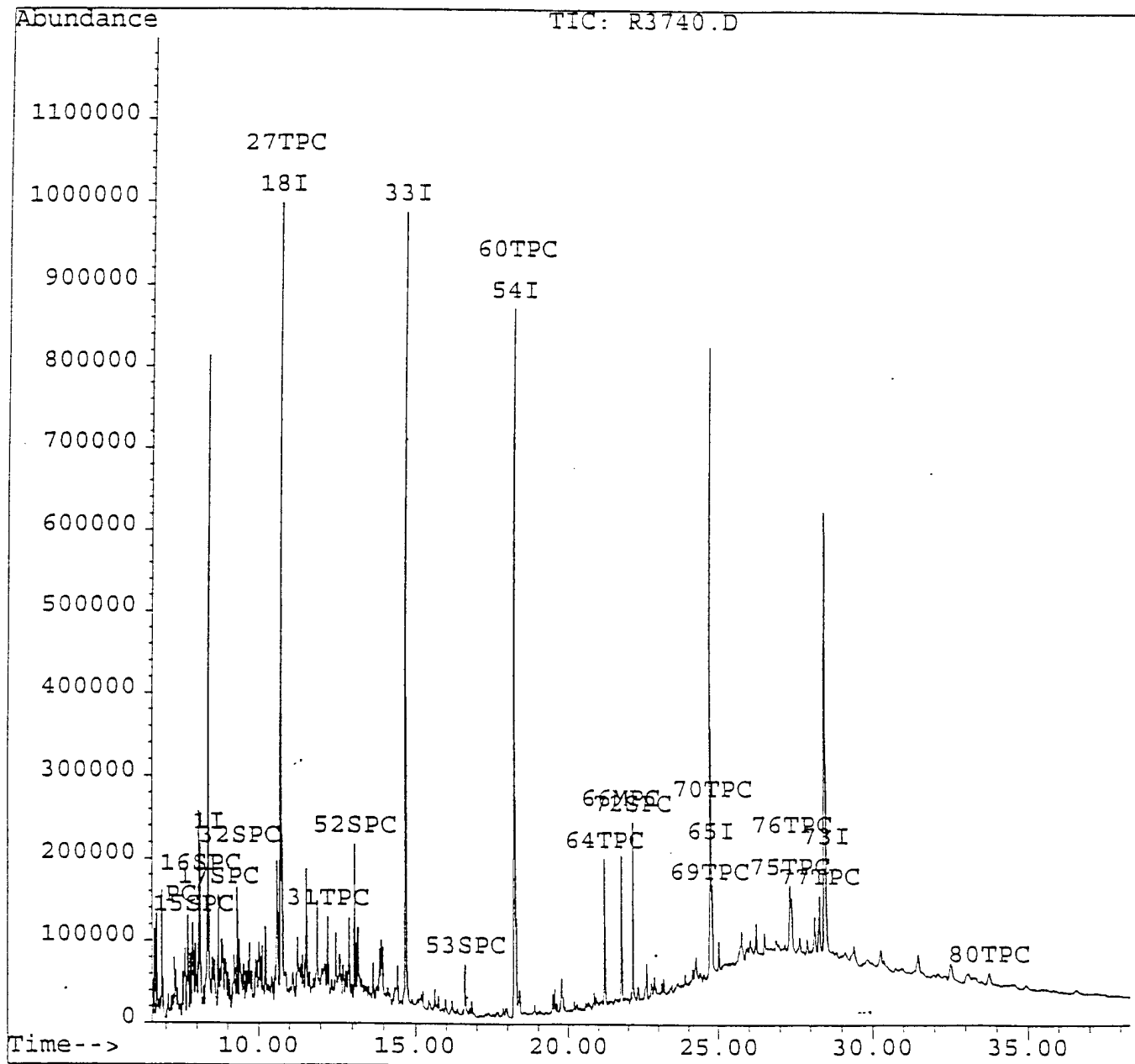
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3740.d
 Acq On : 13 Apr 95 3:11 am
 Sample : 2349003,1-16-2,
 Misc : 10,,,05-APR-95,30,10,T8270, SOIL
 Quant Time: Apr 13 11:55 1995

Vial: 51
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Single Level Calibration



000012

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3740.d
 Acq On : 13 Apr 95 3:11 am
 Sample : 2349003,1-16-2,
 Misc : 10,,,05-APR-95,30,10,T8270, SOIL
 Quant Time: Apr 13 11:55 1995

Vial: 51
 Operator: Francis
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 281141 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 10.73 | 136 | 945107 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 510423 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.25 | 188 | 803325 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 583189 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.51 | 264 | 691074 | 20.00 | ug/L | 0.02 |
| System Monitoring Compounds | | | | | | |
| 14) 2-Fluorophenol | 6.70 | 112 | 79835 | 4.04 | ug/L | 5.39% |
| 15) Phenol-d5 | 7.90 | 99 | 86697 | 4.14 | ug/L | 5.52% |
| 16) 2-Chlorophenol-d4 | 8.12 | 132 | 95442 | 4.73 | ug/L | 6.30% |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 63689 | 2.96 | ug/L | 5.91% |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 48598 | 3.14 | ug/L | 6.29% |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 128792 | 4.09 | ug/L | 8.18% |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 21469 | 3.49 | ug/L | 4.66% |
| 72) Terphenyl-d14 | 22.16 | 244 | 150568 | 6.06 | ug/L | 12.12% |
| Target Compounds | | | | | | |
| 27) Naphthalene | 10.77 | 128 | 46718 | 1.01 | ug/L | 98 |
| 31) 2-Methylnaphthalene | 12.24 | 142 | 61533 | 1.96 | ug/L | 97 |
| 60) Phenanthrene | 18.30 | 178 | 95923 | 2.17 | ug/L | 98 |
| 64) Fluoranthene | 21.22 | 202 | 164221 | 4.04 | ug/L | 83 |
| 66) Pyrene | 21.78 | 202 | 153102 | 4.08 | ug/L | 78 |
| 69) Benzo(a) anthracene | 24.72 | 228 | 71217 | 2.30 | ug/L | 99 |
| 70) Chrysene | 24.82 | 228 | 69666 | 2.87 | ug/L | 99 |
| 75) Benzo(b) fluoranthene | 27.36 | 252 | 76935 | 2.15 | ug/L | 98 |
| 76) Benzo(k) fluoranthene | 27.41 | 252 | 46277 | 1.59 | ug/L | 98 |
| 77) Benzo(a) pyrene | 28.30 | 252 | 64822 | 2.02 | ug/L | 98 |
| 80) Benzo(g,h,i) perylene | 33.76 | 276 | 30793 | 1.14 | ug/L | 78 |

(#) = qualifier out of range (m) = manual integration

r3740.d 8270R.M

Thu Apr 13 14:38:05 1995

HPPC

Page 1

000013

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC

Contract: 9521649

1-17-1

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349004

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3747.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 3 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 340 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 340 | U |
| 95-57-8----- | 2-Chlorophenol | 340 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 340 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 340 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 340 | U |
| 95-48-7----- | 2-Methylphenol | 340 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 106-44-5----- | 4-Methylphenol | 340 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 340 | U |
| 67-72-1----- | Hexachloroethane | 340 | U |
| 98-95-3----- | Nitrobenzene | 340 | U |
| 78-59-1----- | Isophorone | 340 | U |
| 88-75-5----- | 2-Nitrophenol | 340 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 340 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 340 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 340 | U |
| 91-20-3----- | Naphthalene | 340 | U |
| 106-47-8----- | 4-Chloroaniline | 340 | U |
| 87-68-3----- | Hexachlorobutadiene | 340 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 340 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 340 | U |
| 91-57-6----- | 2-Methylnaphthalene | 340 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 340 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 340 | U |
| 208-96-8----- | Acenaphthylene | 340 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 340 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 340 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-17-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349004

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3747.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 3 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 340 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 340 | U |
| 84-66-2----- | Diethylphthalate | 340 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | Fluorene | 340 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | Hexachlorobenzene | 340 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 340 | U |
| 120-12-7----- | Anthracene | 340 | U |
| 86-74-8----- | Carbazole | 340 | U |
| 84-74-2----- | Di-n-butylphthalate | 340 | U |
| 206-44-0----- | Fluoranthene | 340 | U |
| 129-00-0----- | Pyrene | 340 | U |
| 85-68-7----- | Butylbenzylphthalate | 340 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | Benzo(a)anthracene | 340 | U |
| 218-01-9----- | Chrysene | 340 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 43 | J |
| 117-84-0----- | Di-n-octylphthalate | 340 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 340 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 340 | U |
| 50-32-8----- | Benzo(a)pyrene | 340 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 340 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 340 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 340 | U |

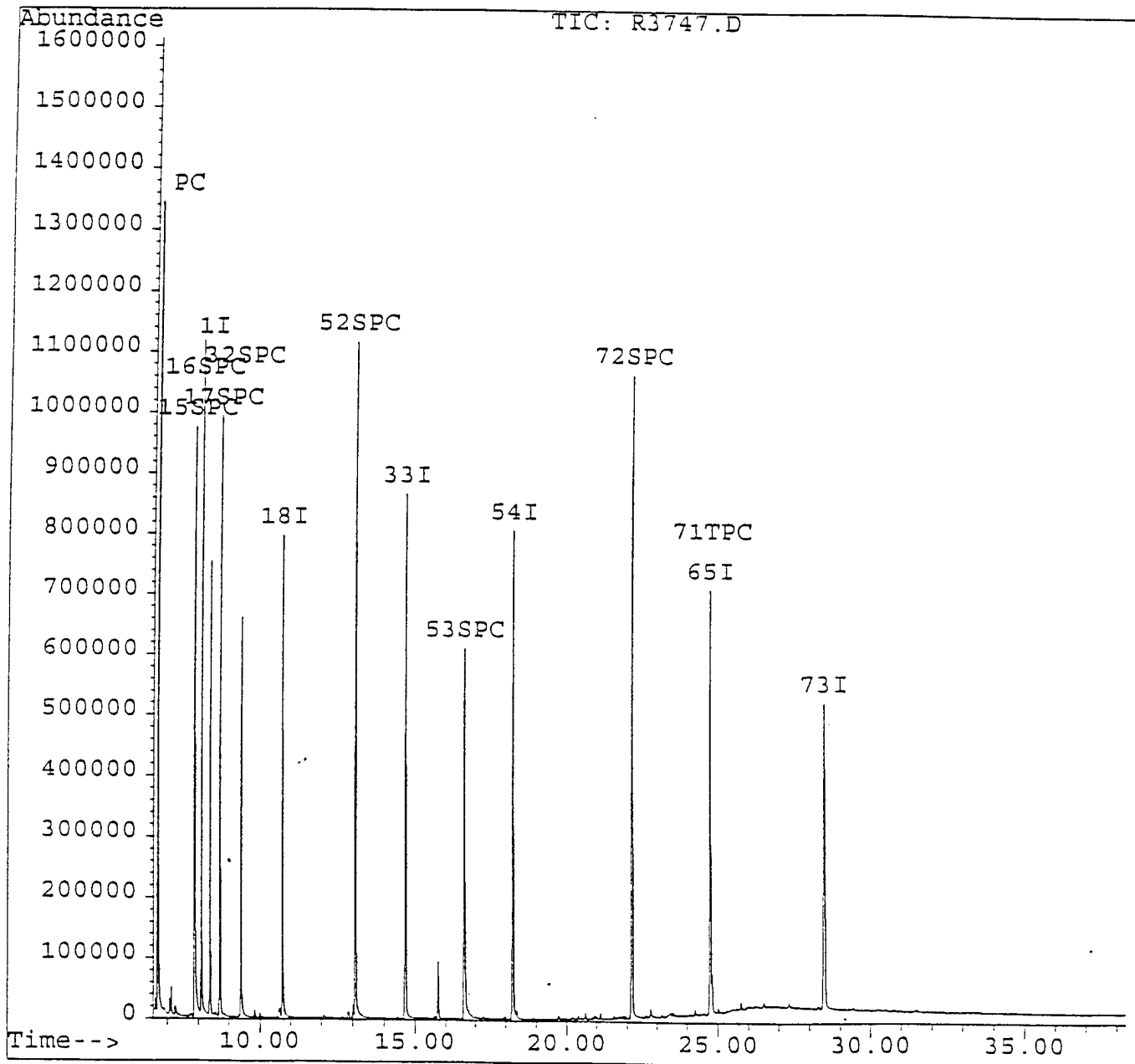
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3747.d
Acq On : 13 Apr 95 8:42 am
Sample : 2349004,1-17-1,
Misc : 1,,,05-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 12:01 1995

Vial: 58
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\ANILINE.M
Title : 390/ASP/SW846
Last Update : Thu Apr 13 14:54:03 1995
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3747.d
 Acq On : 13 Apr 95 8:42 am
 Sample : 2349004,1-17-1,
 Misc : 1,,05-APR-95,30,1,T8270, SOIL
 Quant Time:--Apr 13 12:01 1995

Vial: 58
 Operator: Francis
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 255519 | 20.00 | ug/L | 0.02 |
| 18) Naphthalene-D8 | 10.73 | 136 | 874994 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 466655 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.25 | 188 | 720841 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 544915 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.49 | 264 | 604887 | 20.00 | ug/L | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 6.70 | 112 | 630171 | 35.13 | ug/L | 46.84% |
| 15) Phenol-d5 | 7.88 | 99 | 726632 | 38.18 | ug/L | 50.91% |
| 16) 2-Chlorophenol-d4 | 8.11 | 132 | 689258 | 37.55 | ug/L | 50.06% |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 505349 | 25.80 | ug/L | 51.1% |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 417244 | 29.15 | ug/L | 53.1% |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 884690 | 30.73 | ug/L | 61.46% |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 211907 | 37.71 | ug/L | 50.28% |
| 72) Terphenyl-d14 | 22.18 | 244 | 850301 | 36.63 | ug/L | 73.27% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 24.82 | 149 | 42156 | 1.25 | ug/L | 96 |

(#) = qualifier out of range (m) = manual integration

r3747.d ANILINE.M

Thu Apr 13 15:48:33 1995

HPPC

Page 1

000017

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-17-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349007

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3741.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 360 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 360 | U |
| 95-57-8----- | 2-Chlorophenol | 360 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 360 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 360 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 360 | U |
| 95-48-7----- | 2-Methylphenol | 360 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 360 | U |
| 106-44-5----- | 4-Methylphenol | 360 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 360 | U |
| 67-72-1----- | Hexachloroethane | 360 | U |
| 98-95-3----- | Nitrobenzene | 360 | U |
| 78-59-1----- | Isophorone | 360 | U |
| 88-75-5----- | 2-Nitrophenol | 360 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 360 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 360 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 360 | U |
| 91-20-3----- | Naphthalene | 360 | U |
| 106-47-8----- | 4-Chloroaniline | 360 | U |
| 87-68-3----- | Hexachlorobutadiene | 360 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 360 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 360 | U |
| 91-57-6----- | 2-Methylnaphthalene | 360 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 360 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 360 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7----- | 2-Chloronaphthalene | 360 | U |
| 88-74-4----- | 2-Nitroaniline | 1800 | U |
| 131-11-3----- | Dimethylphthalate | 360 | U |
| 208-96-8----- | Acenaphthylene | 360 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 360 | U |
| 99-09-2----- | 3-Nitroaniline | 1800 | U |
| 83-32-9----- | Acenaphthene | 360 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000018

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-17-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349007

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3741.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 1800 | U |
| 132-64-9----- | Dibenzofuran | 360 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 360 | U |
| 84-66-2----- | Diethylphthalate | 360 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 360 | U |
| 86-73-7----- | Fluorene | 360 | U |
| 100-01-6----- | 4-Nitroaniline | 1800 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 360 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 360 | U |
| 118-74-1----- | Hexachlorobenzene | 360 | U |
| 87-86-5----- | Pentachlorophenol | 1800 | U |
| 85-01-8----- | Phenanthrene | 360 | U |
| 120-12-7----- | Anthracene | 360 | U |
| 86-74-8----- | Carbazole | 360 | U |
| 84-74-2----- | Di-n-butylphthalate | 360 | U |
| 206-44-0----- | Fluoranthene | 360 | U |
| 129-00-0----- | Pyrene | 360 | U |
| 85-68-7----- | Butylbenzylphthalate | 360 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 720 | U |
| 56-55-3----- | Benzo(a)anthracene | 360 | U |
| 218-01-9----- | Chrysene | 360 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 40 | J |
| 117-84-0----- | Di-n-octylphthalate | 360 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 360 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 360 | U |
| 50-32-8----- | Benzo(a)pyrene | 360 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 360 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 360 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 360 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270

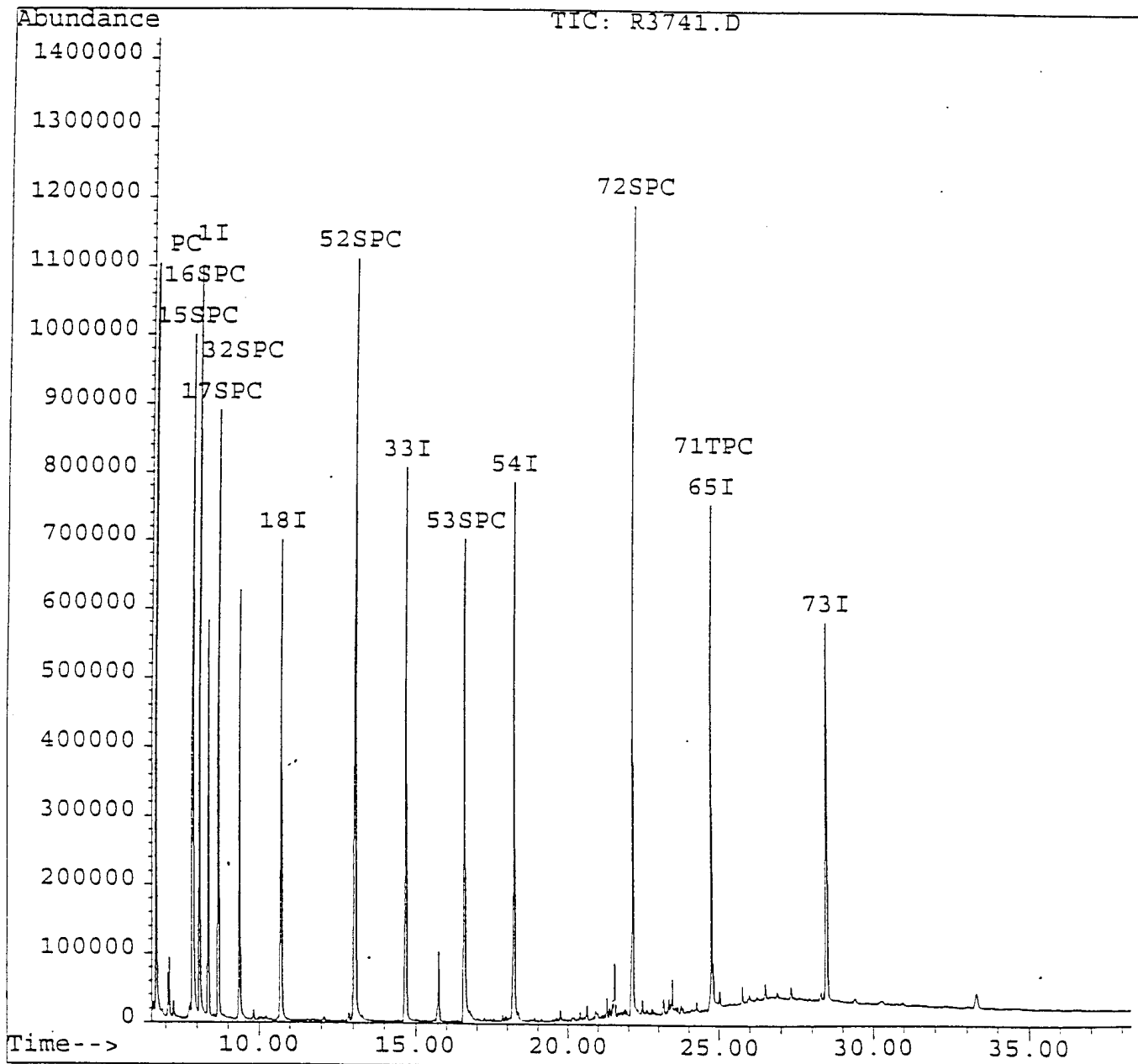
000019

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3741.d
 Acq On : 13 Apr 95 3:59 am
 Sample : 2349007,1-17-2,
 Misc : 1,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:56 1995

Vial: 52
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3741.d
 Acq On : 13 Apr 95 3:59 am
 Sample : 2349007,1-17-2,
 Misc : 1,,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:56 1995

Vial: 52
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.38 | 152 | 290495 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 10.73 | 136 | 992650 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 523814 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.24 | 188 | 797277 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 545023 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.49 | 264 | 671478 | 20.00 | ug/L | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 6.69 | 112 | 798317 | 39.15 | ug/L | 52.19 |
| 15) Phenol-d5 | 7.89 | 99 | 942012 | 43.54 | ug/L | 58.05 |
| 16) 2-Chlorophenol-d4 | 8.10 | 132 | 948943 | 45.47 | ug/L | 60.63 |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 691528 | 31.05 | ug/L | 62.11 |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 556318 | 34.26 | ug/L | 68.52 |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 1147751 | 35.52 | ug/L | 71.04 |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 264180 | 41.88 | ug/L | 55.84 |
| 72) Terphenyl-d14 | 22.18 | 244 | 1000194 | 43.08 | ug/L | 86.17 |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 24.82 | 149 | 37539 | 1.11 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration

r3741.d 8270R.M

Thu Apr 13 15:17:49 1995

HPPC

Page 1

000021

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349008

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3742.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | Q |
|---------------|------------------------------|---|
| 108-95-2----- | Phenol | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | U |
| 95-57-8----- | 2-Chlorophenol | U |
| 541-73-1----- | 1,3-Dichlorobenzene | U |
| 106-46-7----- | 1,4-Dichlorobenzene | U |
| 95-50-1----- | 1,2-Dichlorobenzene | U |
| 95-48-7----- | 2-Methylphenol | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | U |
| 106-44-5----- | 4-Methylphenol | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | U |
| 67-72-1----- | Hexachloroethane | U |
| 98-95-3----- | Nitrobenzene | U |
| 78-59-1----- | Isophorone | U |
| 88-75-5----- | 2-Nitrophenol | U |
| 105-67-9----- | 2,4-Dimethylphenol | U |
| 120-83-2----- | 2,4-Dichlorophenol | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | U |
| 91-20-3----- | Naphthalene | U |
| 106-47-8----- | 4-Chloroaniline | U |
| 87-68-3----- | Hexachlorobutadiene | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | U |
| 91-57-6----- | 2-Methylnaphthalene | U |
| 77-47-4----- | Hexachlorocyclopentadiene | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | U |
| 91-58-7----- | 2-Chloronaphthalene | U |
| 88-74-4----- | 2-Nitroaniline | U |
| 131-11-3----- | Dimethylphthalate | U |
| 208-96-8----- | Acenaphthylene | U |
| 606-20-2----- | 2,6-Dinitrotoluene | U |
| 99-09-2----- | 3-Nitroaniline | U |
| 83-32-9----- | Acenaphthene | J |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000022

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349008

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3742.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 10.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|-------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 18000 | U |
| 100-02-7----- | 4-Nitrophenol | 18000 | U |
| 132-64-9----- | Dibenzofuran | 3500 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 3500 | U |
| 84-66-2----- | Diethylphthalate | 3500 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 3500 | U |
| 86-73-7----- | Fluorene | 470 | J |
| 100-01-6----- | 4-Nitroaniline | 18000 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 18000 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 3500 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 3500 | U |
| 118-74-1----- | Hexachlorobenzene | 3500 | U |
| 87-86-5----- | Pentachlorophenol | 18000 | U |
| 85-01-8----- | Phenanthrene | 5300 | |
| 120-12-7----- | Anthracene | 1300 | J |
| 86-74-8----- | Carbazole | 3500 | U |
| 84-74-2----- | Di-n-butylphthalate | 3500 | U |
| 206-44-0----- | Fluoranthene | 7400 | |
| 129-00-0----- | Pyrene | 7700 | |
| 85-68-7----- | Butylbenzylphthalate | 3500 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 7000 | U |
| 56-55-3----- | Benzo(a)anthracene | 4500 | |
| 218-01-9----- | Chrysene | 5600 | |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 3500 | U |
| 117-84-0----- | Di-n-octylphthalate | 3500 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 3300 | J |
| 207-08-9----- | Benzo(k)fluoranthene | 3200 | J |
| 50-32-8----- | Benzo(a)pyrene | 3500 | J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 1600 | J |
| 53-70-3----- | Dibenz(a,h)anthracene | 3500 | J |
| 191-24-2----- | Benzo(g,h,i)perylene | 1600 | J |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270.

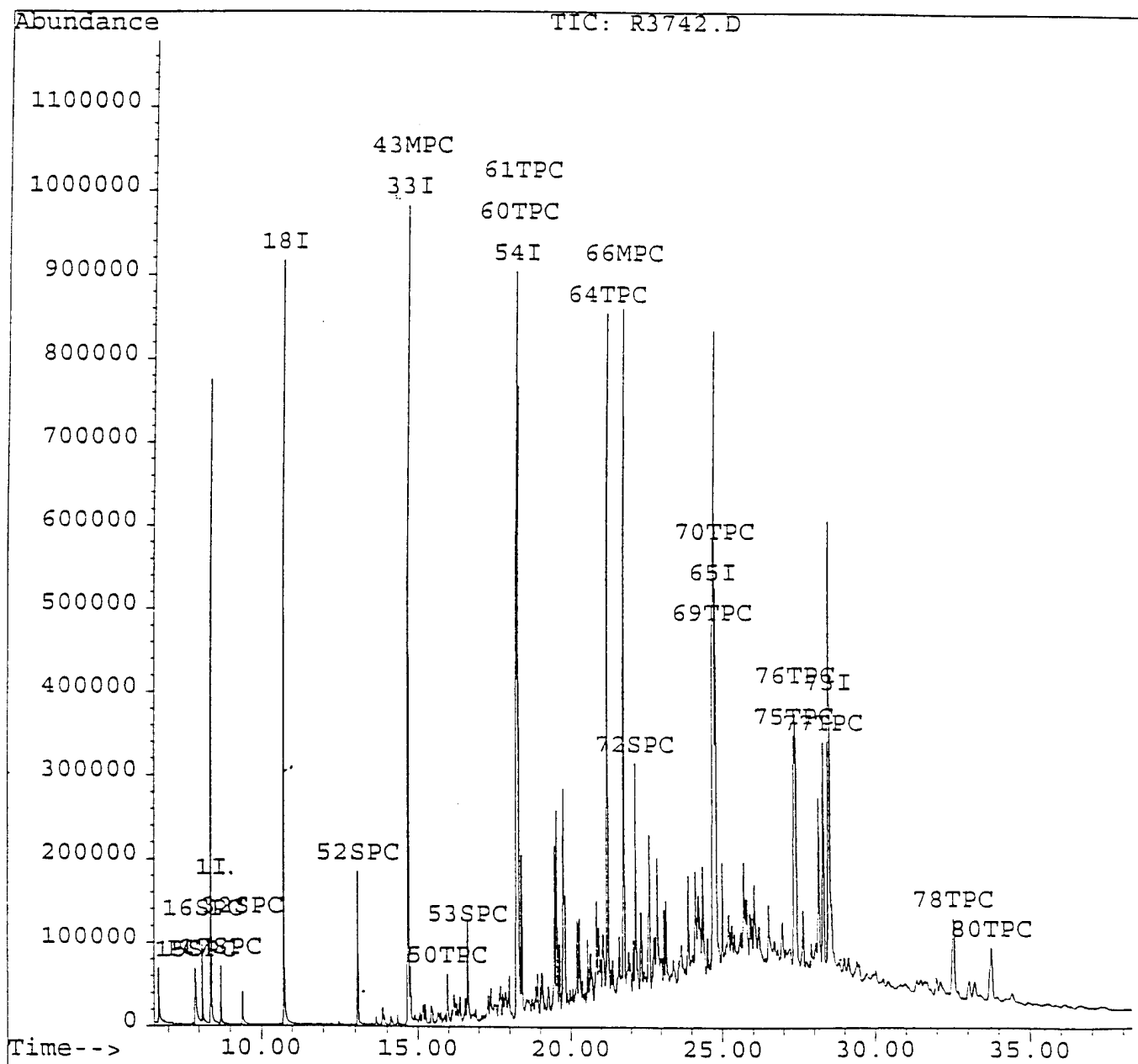
000023

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3742.d
 Acq On : 13 Apr 95 4:46 am
 Sample : 2349008,1-18-1,
 Misc : 10,,,05-APR-95,30,10,T8270, SOIL
 Quant Time: Apr 13 14:13 1995

Vial: 53
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3742.d
 Acq On : 13 Apr 95 4:46 am
 Sample : 2349008,1-18-1,
 Misc : 10,,,05-APR-95,30,10,T8270, SOIL
 Quant Time: Apr 13 14:13 1995

Vial: 53
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 281137 | 20.00 | ug/L | 0.02 |
| 18) Naphthalene-D8 | 10.73 | 136 | 944105 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 504913 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.25 | 188 | 784159 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 545888 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.51 | 264 | 658793 | 20.00 | ug/L | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 14) 2-Fluorophenol | 6.70 | 112 | 49557 | 2.51 | ug/L | 3.35 |
| 15) Phenol-d5 | 7.90 | 99 | 75427 | 3.60 | ug/L | 4.80 |
| 16) 2-Chlorophenol-d4 | 8.12 | 132 | 74673 | 3.70 | ug/L | 4.93 |
| 17) 1,2-Dichlorobenzene-d4 | 8.72 | 150 | 36797 | 1.71 | ug/L | 3.41 |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 28647 | 1.85 | ug/L | 3.71 |
| 52) 2-Fluorobiphenyl | 13.10 | 172 | 135772 | 4.36 | ug/L | 8.72 |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 36967 | 6.08 | ug/L | 8.11 |
| 72) Terphenyl-d14 | 22.16 | 244 | 173165 | 7.45 | ug/L | 14.89 |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 43) Acenaphthene | 14.77 | 153 | 33975 | 1.10 | ug/L | 99 |
| 50) Fluorene | 15.97 | 166 | 38568 | 1.33 | ug/L | 99 |
| 60) Phenanthrene | 18.30 | 178 | 656562 | 15.25 | ug/L | 99 |
| 61) Anthracene | 18.40 | 178 | 156564 | 3.83 | ug/L | 97 |
| 64) Fluoranthene | 21.24 | 202 | 832416 | 21.00 | ug/L | 83 |
| 66) Pyrene | 21.78 | 202 | 772356 | 22.01 | ug/L | 87 |
| 69) Benzo(a)anthracene | 24.72 | 228 | 369069 | 12.73 | ug/L | 98 |
| 70) Chrysene | 24.82 | 228 | 360993 | 15.86 | ug/L | 98 |
| 75) Benzo(b)fluoranthene | 27.38 | 252 | 317173 | 9.30 | ug/L | 98 |
| 76) Benzo(k)fluoranthene | 27.43 | 252 | 249075 | 9.00 | ug/L | 96 |
| 77) Benzo(a)pyrene | 28.32 | 252 | 303908 | 9.94 | ug/L | 98 |
| 78) Indeno(1,2,3-cd)pyrene | 32.53 | 276 | 145655 | 4.57 | ug/L | 96 |
| 80) Benzo(g,h,i)perylene | 33.76 | 276 | 117763 | 4.56 | ug/L | 74 |

(#) = qualifier out of range (m) = manual integration

r3742.d 8270R.M

Thu Apr 13 15:19:32 1995

HPPC

Page 1

000025

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.: .

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349009

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3743.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 20.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|---|-------|---|
| 108-95-2-----Phenol | 7200 | U |
| 111-44-4-----bis(2-Chloroethyl) Ether | 7200 | U |
| 95-57-8-----2-Chlorophenol | 7200 | U |
| 541-73-1-----1,3-Dichlorobenzene | 7200 | U |
| 106-46-7-----1,4-Dichlorobenzene | 7200 | U |
| 95-50-1-----1,2-Dichlorobenzene | 7200 | U |
| 95-48-7-----2-Methylphenol | 7200 | U |
| 108-60-1-----2,2'-oxybis(1-Chloropropane) | 7200 | U |
| 106-44-5-----4-Methylphenol | 7200 | U |
| 621-64-7-----N-Nitroso-di-n-propylamine | 7200 | U |
| 67-72-1-----Hexachloroethane | 7200 | U |
| 98-95-3-----Nitrobenzene | 7200 | U |
| 78-59-1-----Isophorone | 7200 | U |
| 88-75-5-----2-Nitrophenol | 7200 | U |
| 105-67-9-----2,4-Dimethylphenol | 7200 | U |
| 120-83-2-----2,4-Dichlorophenol | 7200 | U |
| 120-82-1-----1,2,4-Trichlorobenzene | 7200 | U |
| 91-20-3-----Naphthalene | 7200 | U |
| 106-47-8-----4-Chloroaniline | 7200 | U |
| 87-68-3-----Hexachlorobutadiene | 7200 | U |
| 111-91-1-----bis(2-Chloroethoxy) methane | 7200 | U |
| 59-50-7-----4-Chloro-3-Methylphenol | 7200 | U |
| 91-57-6-----2-Methylnaphthalene | 7200 | U |
| 77-47-4-----Hexachlorocyclopentadiene | 7200 | U |
| 88-06-2-----2,4,6-Trichlorophenol | 7200 | U |
| 95-95-4-----2,4,5-Trichlorophenol | 36000 | U |
| 91-58-7-----2-Chloronaphthalene | 7200 | U |
| 88-74-4-----2-Nitroaniline | 36000 | U |
| 131-11-3-----Dimethylphthalate | 7200 | U |
| 208-96-8-----Acenaphthylene | 7200 | U |
| 606-20-2-----2,6-Dinitrotoluene | 7200 | U |
| 99-09-2-----3-Nitroaniline | 36000 | U |
| 83-32-9-----Acenaphthene | 7200 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270.

000026

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-18-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349009

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3743.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 8 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 20.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 36000 | U |
| 100-02-7----- | 4-Nitrophenol | 36000 | U |
| 132-64-9----- | Dibenzofuran | 7200 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 7200 | U |
| 84-66-2----- | Diethylphthalate | 7200 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 7200 | U |
| 86-73-7----- | Fluorene | 7200 | U |
| 100-01-6----- | 4-Nitroaniline | 36000 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 36000 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 7200 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 7200 | U |
| 118-74-1----- | Hexachlorobenzene | 7200 | U |
| 87-86-5----- | Pentachlorophenol | 36000 | U |
| 85-01-8----- | Phenanthrene | 7200 | U |
| 120-12-7----- | Anthracene | 7200 | U |
| 86-74-8----- | Carbazole | 7200 | U |
| 84-74-2----- | Di-n-butylphthalate | 7200 | U |
| 206-44-0----- | Fluoranthene | 7200 | U |
| 129-00-0----- | Pyrene | 7200 | U |
| 85-68-7----- | Butylbenzylphthalate | 7200 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 14000 | U |
| 56-55-3----- | Benzo(a)anthracene | 7200 | U |
| 218-01-9----- | Chrysene | 7200 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 7200 | U |
| 117-84-0----- | Di-n-octylphthalate | 7200 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 7200 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 7200 | U |
| 50-32-8----- | Benzo(a)pyrene | 7200 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 7200 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 7200 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 7200 | U |

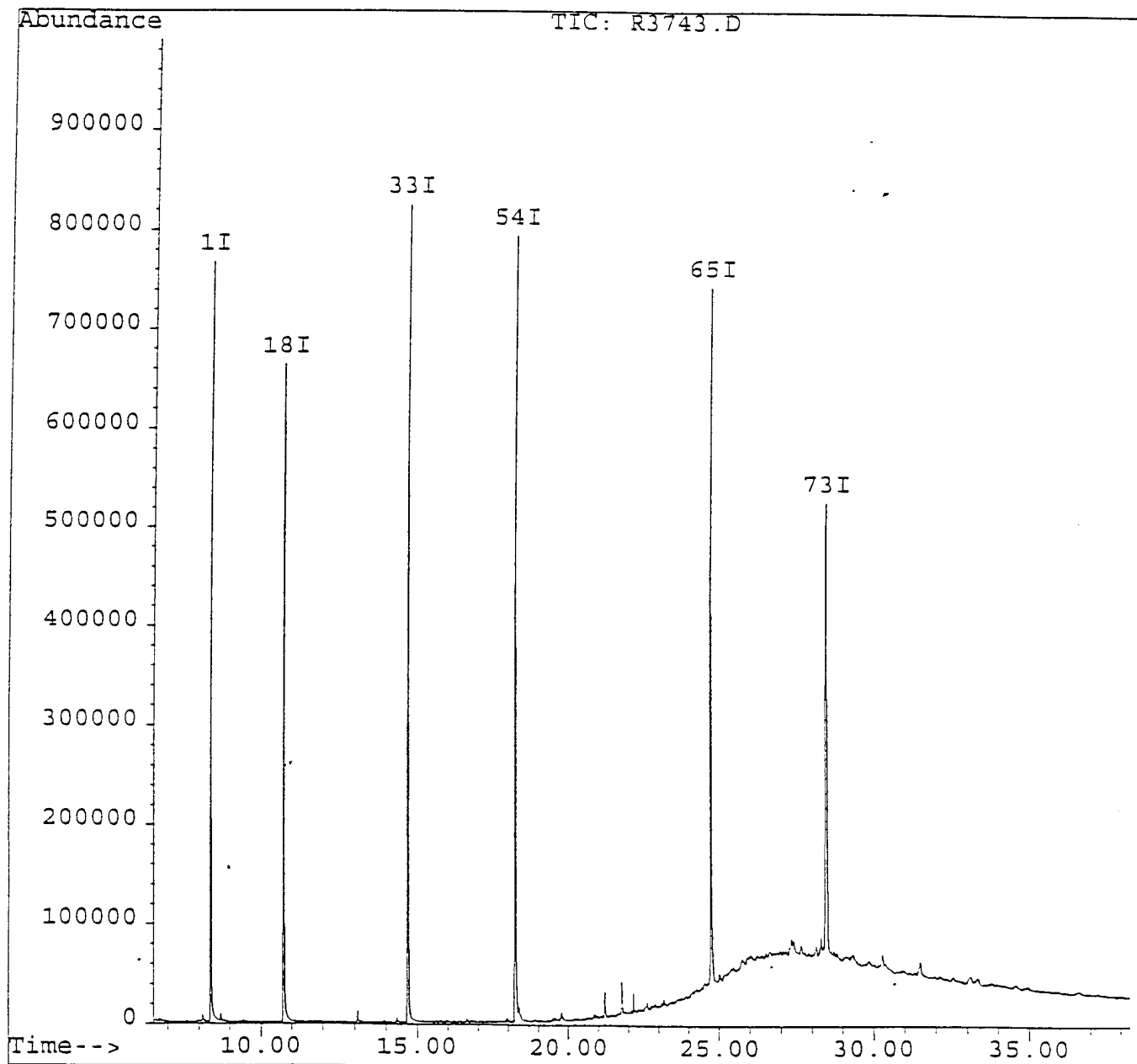
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3743.d
Acq On : 13 Apr 95 5:33 am
Sample : 2349009,1-18-2,
Misc : 20,,,05-APR-95,30,10,T8270, SOIL
Quant Time: Apr 13 11:57 1995

Vial: 54
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 13 11:51:55 1995
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3743.d
 Acq On : 13 Apr 95 5:33 am
 Sample : 2349009,1-18-2,
 Misc : 20,,,05-APR-95,30,10,T8270, SOIL
 Quant Time: Apr 13 11:57 1995

Vial: 54
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 231215 | 20.00 | ug/L | 0.01 |
| 18) Naphthalene-D8 | 10.73 | 136 | 834335 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 428215 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.24 | 188 | 672241 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 518720 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.51 | 264 | 575546 | 20.00 | ug/L | 0.01 |

System Monitoring Compounds

| | | | | | | %Recovery |
|----------------------------|-------|-----|-------|------|------|-----------|
| 14) 2-Fluorophenol | 6.75 | 112 | 4688 | 0.29 | ug/L | 0.39 |
| 15) Phenol-d5 | 7.96 | 99 | 2248 | 0.13 | ug/L | 0.17% |
| 16) 2-Chlorophenol-d4 | 8.14 | 132 | 7794 | 0.47 | ug/L | 0.63 |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 6070 | 0.34 | ug/L | 0.68 |
| 32) Nitrobenzene-d5 | 9.43 | 82 | 2462 | 0.18 | ug/L | 0.36% |
| 52) 2-Fluorobiphenyl | 13.11 | 172 | 12215 | 0.46 | ug/L | 0.92 |
| 53) 2,4,6-Tribromophenol | 16.64 | 330 | 1856 | 0.36 | ug/L | 0.48 |
| 72) Terphenyl-d14 | 22.16 | 244 | 13616 | 0.62 | ug/L | 1.23% |

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration

r3743.d 8270R.M

Thu Apr 13 15:23:42 1995

HPPC

Page 1

000029

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-20-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349010

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3744.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 10 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 370 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 370 | U |
| 95-57-8----- | 2-Chlorophenol | 370 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 370 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 370 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 370 | U |
| 95-48-7----- | 2-Methylphenol | 370 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 370 | U |
| 106-44-5----- | 4-Methylphenol | 370 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 370 | U |
| 67-72-1----- | Hexachloroethane | 370 | U |
| 98-95-3----- | Nitrobenzene | 370 | U |
| 78-59-1----- | Isophorone | 370 | U |
| 88-75-5----- | 2-Nitrophenol | 370 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 370 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 370 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 370 | U |
| 91-20-3----- | Naphthalene | 370 | U |
| 106-47-8----- | 4-Chloroaniline | 370 | U |
| 87-68-3----- | Hexachlorobutadiene | 370 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 370 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6----- | 2-Methylnaphthalene | 370 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7----- | 2-Chloronaphthalene | 370 | U |
| 88-74-4----- | 2-Nitroaniline | 1800 | U |
| 131-11-3----- | Dimethylphthalate | 370 | U |
| 208-96-8----- | Acenaphthylene | 370 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 370 | U |
| 99-09-2----- | 3-Nitroaniline | 1800 | U |
| 83-32-9----- | Acenaphthene | 370 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000030

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-20-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349010

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3744.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 10 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|----------------|----------------------------|---|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 1800 | U |
| 132-64-9----- | Dibenzofuran | 370 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2----- | Diethylphthalate | 370 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 370 | U |
| 86-73-7----- | Fluorene | 370 | U |
| 100-01-6----- | 4-Nitroaniline | 1800 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 370 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1----- | Hexachlorobenzene | 370 | U |
| 87-86-5----- | Pentachlorophenol | 1800 | U |
| 85-01-8----- | Phenanthrene | 370 | U |
| 120-12-7----- | Anthracene | 370 | U |
| 86-74-8----- | Carbazole | 370 | U |
| 84-74-2----- | Di-n-butylphthalate | 370 | U |
| 206-44-0----- | Fluoranthene | 370 | U |
| 129-00-0----- | Pyrene | 370 | U |
| 85-68-7----- | Butylbenzylphthalate | 370 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 740 | U |
| 56-55-3----- | Benzo(a)anthracene | 370 | U |
| 218-01-9----- | Chrysene | 370 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 42 | J |
| 117-84-0----- | Di-n-octylphthalate | 370 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 370 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 370 | U |
| 50-32-8----- | Benzo(a)pyrene | 370 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 370 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 370 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 370 | U |

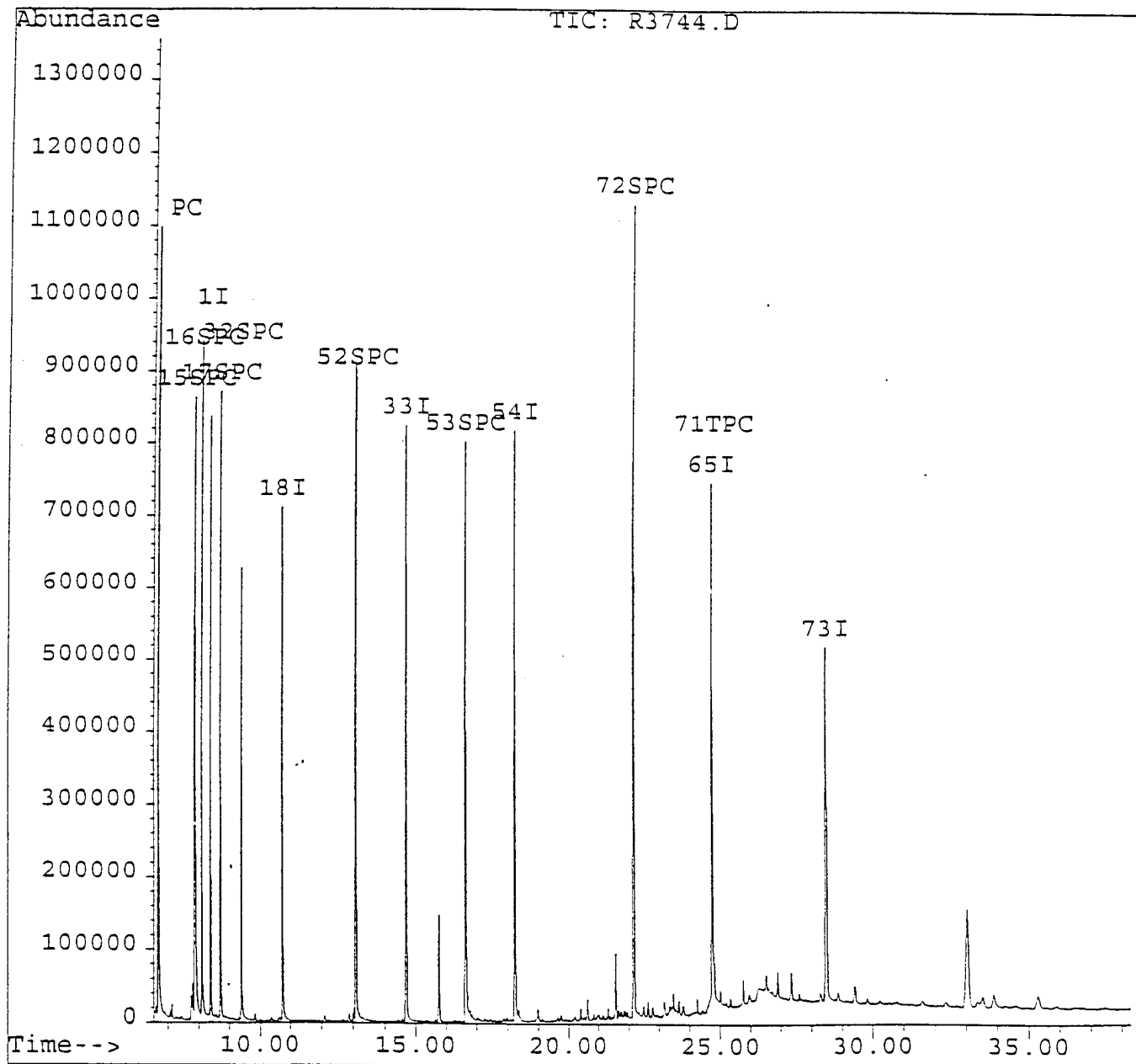
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3744.d
 Acq On : 13 Apr 95 6:20 am
 Sample : 2349010,1-20-1,
 Misc : 1,,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:58 1995

Vial: 55
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3744.d
 Acq On : 13 Apr 95 6:20 am
 Sample : 2349010,1-20-1,
 Misc : 1,,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:58 1995

Vial: 55
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 248721 | 20.00 | ug/L | 0.02 |
| 18) Naphthalene-D8 | 10.73 | 136 | 881657 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 454739 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.25 | 188 | 699068 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 536361 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.51 | 264 | 607908 | 20.00 | ug/L | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 6.70 | 112 | 544865 | 31.20 | ug/L | 41.61 |
| 15) Phenol-d5 | 7.90 | 99 | 637244 | 34.40 | ug/L | 45.86% |
| 16) 2-Chlorophenol-d4 | 8.12 | 132 | 636326 | 35.61 | ug/L | 47.48 |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 419968 | 22.03 | ug/L | 44.05 |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 337683 | 23.41 | ug/L | 46.83% |
| 52) 2-Fluorobiphenyl | 13.12 | 172 | 774300 | 27.60 | ug/L | 55.20 |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 235459 | 43.00 | ug/L | 57.33 |
| 72) Terphenyl-d14 | 22.18 | 244 | 874629 | 38.28 | ug/L | 76.57% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 24.84 | 149 | 37238 | 1.12 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration

r3744.d 8270R.M

Thu Apr 13 15:25:09 1995

HPPC

Page 1

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-21-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349011

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3745.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 3 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 340 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 340 | U |
| 95-57-8----- | 2-Chlorophenol | 340 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 340 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 340 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 340 | U |
| 95-48-7----- | 2-Methylphenol | 340 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 340 | U |
| 106-44-5----- | 4-Methylphenol | 340 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 340 | U |
| 67-72-1----- | Hexachloroethane | 340 | U |
| 98-95-3----- | Nitrobenzene | 340 | U |
| 78-59-1----- | Isophorone | 340 | U |
| 88-75-5----- | 2-Nitrophenol | 340 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 340 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 340 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 340 | U |
| 91-20-3----- | Naphthalene | 340 | U |
| 106-47-8----- | 4-Chloroaniline | 340 | U |
| 87-68-3----- | Hexachlorobutadiene | 340 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 340 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 340 | U |
| 91-57-6----- | 2-Methylnaphthalene | 340 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 340 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 340 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 340 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 340 | U |
| 208-96-8----- | Acenaphthylene | 340 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 340 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 340 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270A

000034

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-21-1

Lab Name: NYTEST ENV INC Contract: 9521649
Lab Code: NYTEST Case No.: 23490 SAS No.: SDG No.: WOR1A
Matrix: (soil/water) SOIL Lab Sample ID: 2349011
Sample wt/vol: 30.0 (g/mL) G Lab File ID: R3745.D
Level: (low/med) LOW Date Received: 04/05/95
% Moisture: not dec. 3 dec. Date Extracted: 04/05/95
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/13/95
GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | -2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | -4-Nitrophenol | 1700 | U |
| 132-64-9----- | -Dibenzofuran | 340 | U |
| 121-14-2----- | -2,4-Dinitrotoluene | 340 | U |
| 84-66-2----- | -Diethylphthalate | 340 | U |
| 7005-72-3----- | -4-Chlorophenyl-phenylether | 340 | U |
| 86-73-7----- | -Fluorene | 340 | U |
| 100-01-6----- | -4-Nitroaniline | 1700 | U |
| 534-52-1----- | -4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | -N-Nitrosodiphenylamine (1) | 340 | U |
| 101-55-3----- | -4-Bromophenyl-phenylether | 340 | U |
| 118-74-1----- | -Hexachlorobenzene | 340 | U |
| 87-86-5----- | -Pentachlorophenol | 1700 | U |
| 85-01-8----- | -Phenanthrene | 340 | U |
| 120-12-7----- | -Anthracene | 340 | U |
| 86-74-8----- | -Carbazole | 340 | U |
| 84-74-2----- | -Di-n-butylphthalate | 340 | U |
| 206-44-0----- | -Fluoranthene | 340 | U |
| 129-00-0----- | -Pyrene | 340 | U |
| 85-68-7----- | -Butylbenzylphthalate | 340 | U |
| 91-94-1----- | -3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | -Benzo(a)anthracene | 340 | U |
| 218-01-9----- | -Chrysene | 340 | U |
| 117-81-7----- | -bis(2-Ethylhexyl)phthalate | 340 | U |
| 117-84-0----- | -Di-n-octylphthalate | 340 | U |
| 205-99-2----- | -Benzo(b)fluoranthene | 340 | U |
| 207-08-9----- | -Benzo(k)fluoranthene | 340 | U |
| 50-32-8----- | -Benzo(a)pyrene | 340 | U |
| 193-39-5----- | -Indeno(1,2,3-cd)pyrene | 340 | U |
| 53-70-3----- | -Dibenz(a,h)anthracene | 340 | U |
| 191-24-2----- | -Benzo(g,h,i)perylene | 340 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270

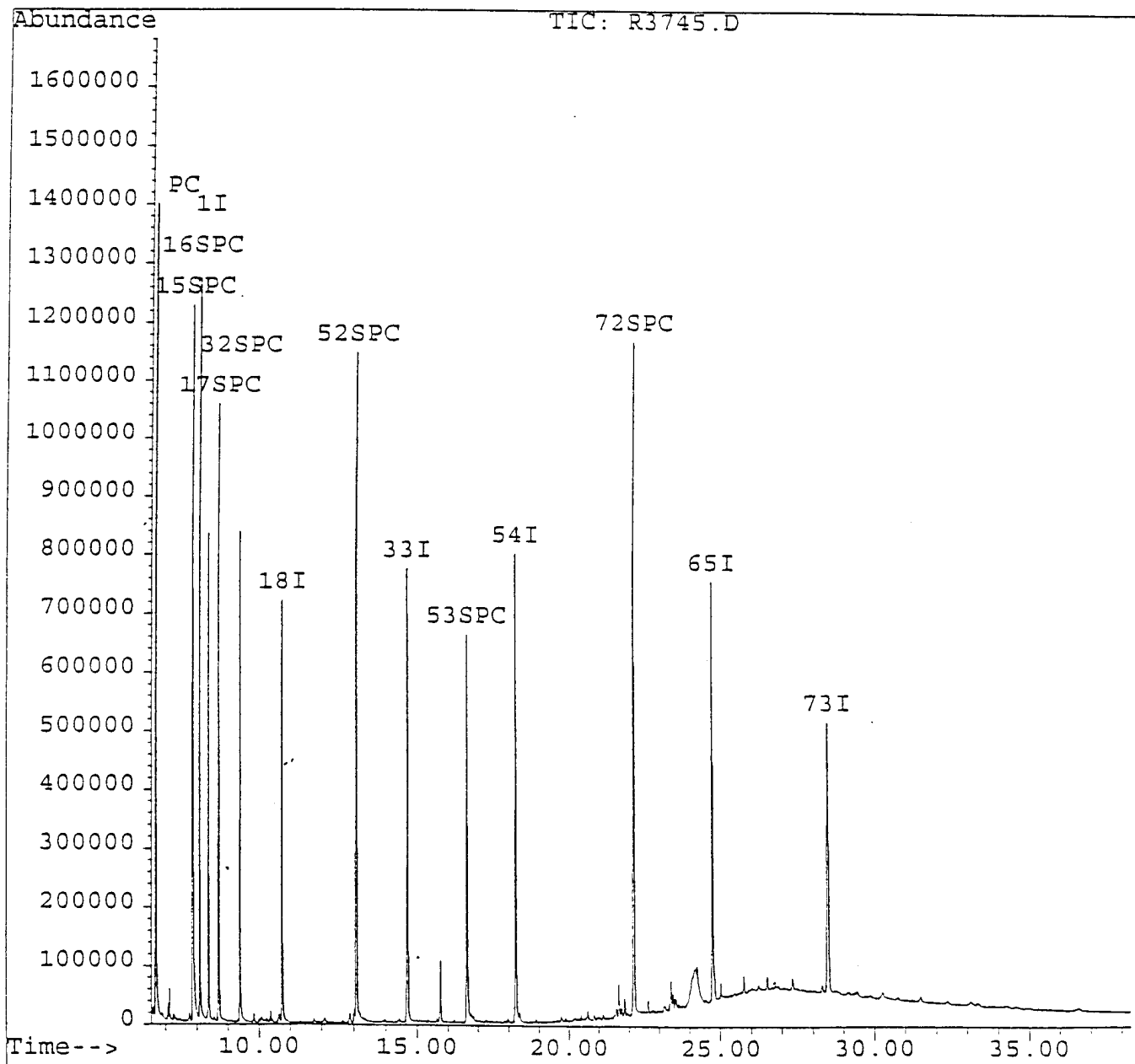
000035

Quantitation Report

Data File : c:\hpchem\1\data\0412\r3745.d
 Acq On : 13 Apr 95 7:08 am
 Sample : 2349011,1-21-1,
 Misc : 1,,05-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 11:59 1995

Vial: 56
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Thu Apr 13 11:51:55 1995
 Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0412\r3745.d
Acq On : 13 Apr 95 7:08 am
Sample : 2349011,1-21-1,
Misc : 1,,,05-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 11:59 1995

Vial: 56
Operator: Francis
Inst : HPR
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 13 11:51:55 1995
Response via : Continuing Cal File: c:\hpchem\1\data\0412\r3737.d

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Mir |
|---------------------------|-------|------|----------|-------|-------|---------|
| 1) 1,4-Dichlorobenzene-D4 | 8.40 | 152 | 259038 | 20.00 | ug/L | 0.02 |
| 18) Naphthalene-D8 | 10.75 | 136 | 912244 | 20.00 | ug/L | 0.02 |
| 33) Acenaphthene-d10 | 14.70 | 164 | 474894 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 18.25 | 188 | 729987 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 24.77 | 240 | 539712 | 20.00 | ug/L | 0.00 |
| 73) Perylene-D12 | 28.51 | 264 | 593787 | 20.00 | ug/L | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 6.70 | 112 | 650998 | 35.80 | ug/L | 47.73 |
| 15) Phenol-d5 | 7.90 | 99 | 789996 | 40.94 | ug/L | 54.59 |
| 16) 2-Chlorophenol-d4 | 8.12 | 132 | 726463 | 39.04 | ug/L | 52.05 |
| 17) 1,2-Dichlorobenzene-d4 | 8.71 | 150 | 562659 | 28.34 | ug/L | 56.67 |
| 32) Nitrobenzene-d5 | 9.39 | 82 | 462499 | 30.99 | ug/L | 61.99 |
| 52) 2-Fluorobiphenyl | 13.12 | 172 | 971251 | 33.15 | ug/L | 66.31 |
| 53) 2,4,6-Tribromophenol | 16.63 | 330 | 194947 | 34.09 | ug/L | 45.45 |
| 72) Terphenyl-d14 | 22.18 | 244 | 907554 | 39.48 | ug/L | 78.95 |

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration

r3745.d 8270R.M

Thu Apr 13 15:27:10 1995

HPPC

Page 1

000037

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLDBK1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2349012

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3647.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|---|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 10 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 50 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 50 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

FORM I SV-1

SW846 METHOD 8270F

000038

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLDBK1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2349012

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3647.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 50 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 50 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 50 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 4 | J |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270

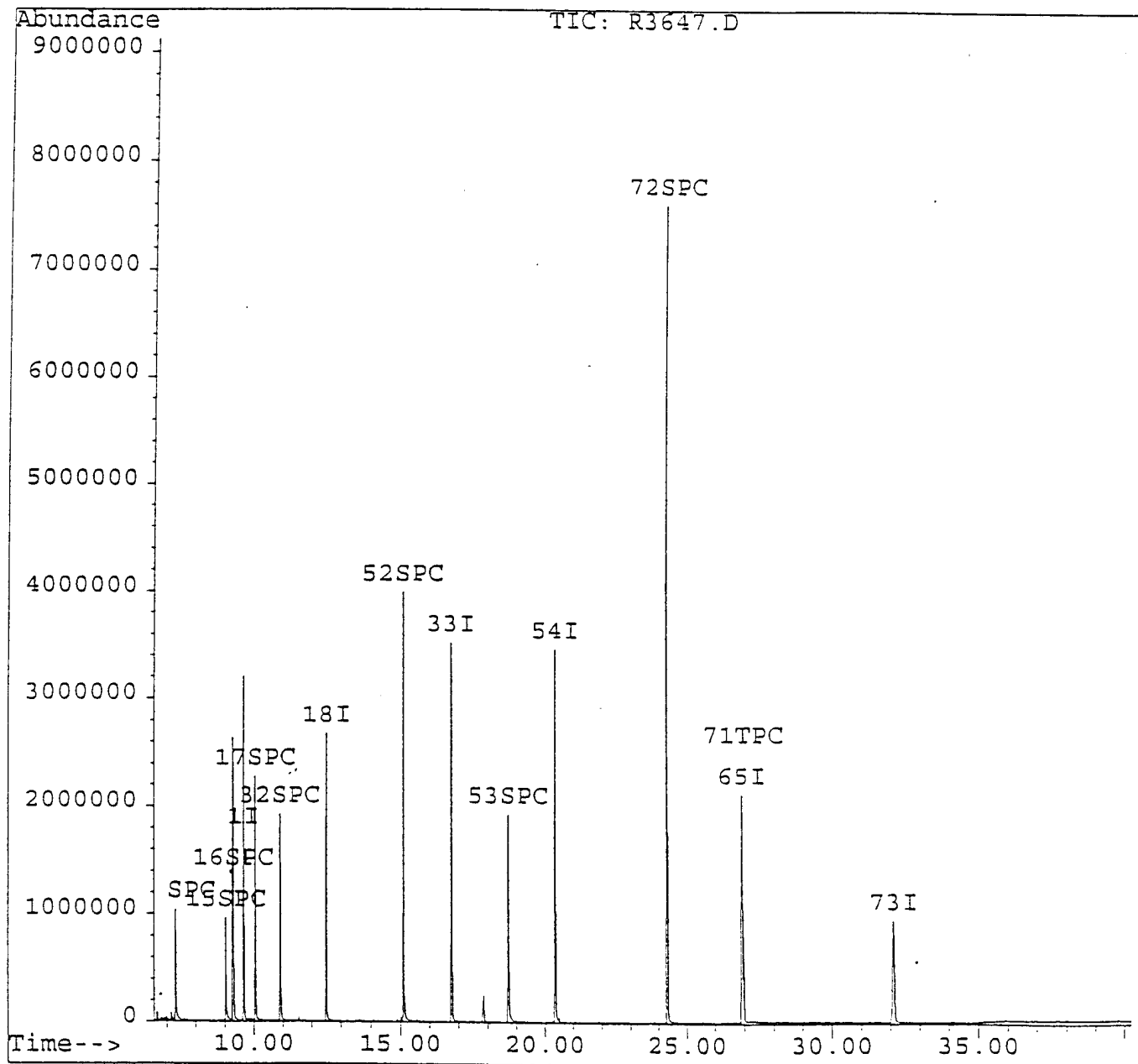
000039

Quantitation Report

Data File : c:\hpchem\1\data\0406\r3647.d
 Acq On : 6 Apr 95 20:38 pm
 Sample : 2349012, FLDBK1,
 Misc : 1,5,,05-APR-95,1000,1,T8270,WATER
 Quant Time: Apr 6 21:19 1995

Vial: 12
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Wed Apr 12 10:02:10 1995
 Response via : Single Level Calibration



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBKLP15

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix: (soil/water) SOIL

Lab Sample ID: VBKLP15

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: P4193.D

Level: (lcw/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0

Data Analyzed: 04/06/95

Column: (pack/cap) CAP

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|------------|---------------------------------|---|---|
| 74-87-3 | -----Chloromethane | 10 | U |
| 74-83-9 | -----Bromomethane | 10 | U |
| 75-01-4 | -----Vinyl Chloride | 10 | U |
| 75-00-3 | -----Chloroethane | 10 | U |
| 75-09-2 | -----Methylene Chloride | 4 | J |
| 67-64-1 | -----Acetone | 10 | U |
| 75-15-0 | -----Carbon Disulfide | 10 | U |
| 75-35-4 | -----1,1-Dichloroethene | 10 | U |
| 75-34-3 | -----1,1-Dichloroethane | 10 | U |
| 540-59-0 | -----1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | -----Chloroform | 10 | U |
| 107-06-2 | -----1,2-Dichloroethane | 10 | U |
| 78-93-3 | -----2-Butanone | 10 | U |
| 71-55-6 | -----1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | -----Carbon Tetrachloride | 10 | U |
| 75-27-4 | -----Bromodichloromethane | 10 | U |
| 78-87-5 | -----1,2-Dichloropropane | 10 | U |
| 10061-01-5 | -----cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | -----Trichloroethene | 10 | U |
| 124-48-1 | -----Dibromochloromethane | 10 | U |
| 79-00-5 | -----1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | -----Benzene | 10 | U |
| 10061-02-6 | -----trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | -----Bromoform | 10 | U |
| 108-10-1 | -----4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | -----2-Hexanone | 10 | U |
| 127-18-4 | -----Tetrachloroethene | 10 | U |
| 79-34-5 | -----1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | -----Toluene | 10 | U |
| 108-90-7 | -----Chlorobenzene | 10 | U |
| 100-41-4 | -----Ethylbenzene | 10 | U |
| 100-42-5 | -----Styrene | 10 | U |
| 1330-20-7 | -----Xylene (total) | 10 | U |
| 108-05-4 | -----Vinyl Acetate | 10 | U |

000077

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|----|-------------------|-----------------|-----------------|-----------------|-------|------------|
| | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | VBLKN1 | 108 | 114 | 92 | | 0 |
| 02 | FLDBK1 | 109 | 110 | 94 | | 0 |
| 03 | EQPBK1 | 108 | 113 | 94 | | 0 |
| 04 | TRIP-1 | 108 | 113 | 94 | | 0 |
| 05 | VBLKN02 | 93 | 91 | 94 | | 0 |
| 06 | TRIP-2 | 92 | 90 | 94 | | 0 |
| 07 | EQPBK2 | 93 | 91 | 95 | | 0 |
| 08 | FLDBK2 | 92 | 92 | 95 | | 0 |
| 09 | TRIP-3 | 92 | 91 | 95 | | 0 |
| 10 | TRIP-4 | 92 | 91 | 96 | | 0 |
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (75-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

000078

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Level: (low/med) LOW

| | EPA SAMPLE NO. | SMC1 (TOL) # | SMC2 (BFB) # | SMC3 (DCE) # | OTHER | TOT OUT |
|----|-------------------|-----------------|-----------------|-----------------|-------|------------|
| | ===== | ===== | ===== | ===== | ===== | ===== |
| 01 | VLKP14 | 101 | 100 | 101 | | 0 |
| 02 | 1-16-1 | 100 | 98 | 101 | | 0 |
| 03 | 1-16-D | 101 | 96 | 100 | | 0 |
| 04 | 1-16-2 | 110 | 109 | 103 | | 0 |
| 05 | 1-17-1MS | 99 | 98 | 99 | | 0 |
| 06 | 1-17-1MSD | 114 | 82 | 99 | | 0 |
| 07 | 1-17-2 | 109 | 88 | 98 | | 0 |
| 08 | 1-18-1 | 111 | 82 | 96 | | 0 |
| 09 | 1-18-2 | 112 | 80 | 93 | | 0 |
| 10 | VLKP15 | 99 | 100 | 100 | | 0 |
| 11 | 1-17-1 | 112 | 86 | 99 | | 0 |
| 12 | 1-20-1 | 100 | 98 | 99 | | 0 |
| 13 | 1-21-1 | 101 | 97 | 98 | | 0 |
| 14 | 1-16-2DL | 101 | 114 | 113 | | 0 |
| 15 | 1-22-1D | 108 | 86 | 93 | | 0 |
| 16 | 1-23-1 | 101 | 95 | 96 | | 0 |
| 17 | 1-22-1 | 101 | 96 | 96 | | 0 |
| 18 | 1-19-1 | 103 | 94 | 96 | | 0 |
| 19 | 1-19-2 | 107 | 88 | 98 | | 0 |
| 20 | 1-24-1 | 101 | 95 | 98 | | 0 |
| 21 | | | | | | |
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (81-117)

SMC2 (BFB) = Bromofluorobenzene (74-121)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

000079

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Matrix Spike - EPA Sample No.: 1-17-1

Level (low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|--------------------|---------------------------|------------------------------------|--------------------------------|------------------|-----------------------|
| ===== | ===== | ===== | ===== | ===== | ===== |
| 1,1-Dichloroethene | 52 | 0 | 48 | 92 | 59-172 |
| Trichloroethene | 52 | 0 | 59 | 113 | 62-137 |
| Benzene | 52 | 0 | 59 | 113 | 66-142 |
| Toluene | 52 | 4 | 62 | 112 | 59-139 |
| Chlorobenzene | 52 | 0 | 64 | 123 | 60-133 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS | |
|--------------------|---------------------------|---------------------------------|-------------------|------------|-----------|--------|
| ===== | ===== | ===== | ===== | ===== | RPD | REC. |
| 1,1-Dichloroethene | 52 | 45 | 86 | 7 | 22 | 59-172 |
| Trichloroethene | 52 | 52 | 100 | 12 | 24 | 62-137 |
| Benzene | 52 | 59 | 113 | 0 | 21 | 66-142 |
| Toluene | 52 | 72 | 131 | 16 | 21 | 59-139 |
| Chlorobenzene | 52 | 63 | 121 | 2 | 21 | 60-133 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

000080

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Lab File ID: N1415.D

BFB Injection Date: 03/16/95

Instrument ID: HPN

BFB Injection Time: 1628

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|--|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.3 |
| 75 | 30.0 - 60.0% of mass 95 | 43.3 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 62.4 |
| 175 | 5.0 - 9.0% of mass 174 | 4.2 (6.7)1 |
| 176 | Greater than 95.0%, but less than 101.0% of mass 174 | 60.4 (96.8)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.0 (6.7)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD010N | VSTD010N | N1416.D | 03/16/95 | 1642 |
| 02 | VSTD020N | VSTD020N | N1417.D | 03/16/95 | 1717 |
| 03 | VSTD050N | VSTD050N | N1418.D | 03/16/95 | 1752 |
| 04 | VSTD100N | VSTD100N | N1419.D | 03/16/95 | 1827 |
| 05 | VSTD200N | VSTD200N | N1420.D | 03/16/95 | 1902 |
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Lab File ID: N1676.D

BFB Injection Date: 04/06/95

Instrument ID: HPN

BFB Injection Time: 0856

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|--|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.3 |
| 75 | 30.0 - 60.0% of mass 95 | 43.9 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 67.0 |
| 175 | 5.0 - 9.0% of mass 174 | 4.6 (6.9)1 |
| 176 | Greater than 95.0%, but less than 101.0% of mass 174 | 65.3 (97.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.1 (6.2)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050N7 | VSTD050N7 | N1677.D | 04/06/95 | 0913 |
| 02 | VBLKN1 | VBLKN1 | N1678.D | 04/06/95 | 1011 |
| 03 | FLDBK1 | 2349012 | N1679.D | 04/06/95 | 1106 |
| 04 | EQPBK1 | 2349013 | N1680.D | 04/06/95 | 1140 |
| 05 | TRIP-1 | 2349014 | N1681.D | 04/06/95 | 1215 |
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Lab File ID: N1693.D

BFB Injection Date: 04/06/95

Instrument ID: HPN

BFB Injection Time: 1943

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|--|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 16.7 |
| 75 | 30.0 - 60.0% of mass 95 | 43.1 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 66.7 |
| 175 | 5.0 - 9.0% of mass 174 | 5.1 (7.6)1 |
| 176 | Greater than 95.0%, but less than 101.0% of mass 174 | 63.8 (95.6)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 (6.8)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050N8 | VSTD050N8 | N1694.D | 04/06/95 | 2001 |
| 02 | VBLKN02 | VBLKN02 | N1695.D | 04/06/95 | 2036 |
| 03 | TRIP-2 | 2349015 | N1697.D | 04/06/95 | 2146 |
| 04 | EQPBK2 | 2350507 | N1701.D | 04/07/95 | 0007 |
| 05 | FLDBK2 | 2350508 | N1702.D | 04/07/95 | 0042 |
| 06 | TRIP-3 | 2350509 | N1703.D | 04/07/95 | 0118 |
| 07 | TRIP-4 | 2350510 | N1704.D | 04/07/95 | 0153 |
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Lab File ID: P3830.D

BFB Injection Date: 03/17/95

Instrument ID: HPP

BFB Injection Time: 0800

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|--|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 17.0 |
| 75 | 30.0 - 60.0% of mass 95 | 41.6 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 79.4 |
| 175 | 5.0 - 9.0% of mass 174 | 5.9 (7.4)1 |
| 176 | Greater than 95.0%, but less than 101.0% of mass 174 | 77.4 (97.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 (6.4)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD010P0 | VSTD010P0 | P3832.D | 03/17/95 | 0849 |
| 02 | VSTD020P0 | VSTD020P0 | P3833.D | 03/17/95 | 0924 |
| 03 | VSTD050P0 | VSTD050P0 | P3834.D | 03/17/95 | 0958 |
| 04 | VSTD100P0 | VSTD100P0 | P3835.D | 03/17/95 | 1032 |
| 05 | VSTD200P0 | VSTD200P0 | P3836.D | 03/17/95 | 1107 |
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1

Lab File ID: P4166.D

BFB Injection Date: 04/05/95

Instrument ID: HPP

BFB Injection Time: 0922

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|--|----------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.5 |
| 75 | 30.0 - 60.0% of mass 95 | 41.9 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.0 (0.0)1 |
| 174 | Greater than 50.0% of mass 95 | 62.0 |
| 175 | 5.0 - 9.0% of mass 174 | 4.2 (6.7)1 |
| 176 | Greater than 95.0%, but less than 101.0% of mass 174 | 60.8 (98.1)1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.9 (6.5)2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | VSTD050P9 | VSTD050P9 | P4167.D | 04/05/95 | 0934 |
| 02 | VBLKP14 | VBLKP14 | P4168.D | 04/05/95 | 1034 |
| 03 | 1-16-1 | 2349001 | P4179.D | 04/05/95 | 1702 |
| 04 | 1-16-D | 2349002 | P4180.D | 04/05/95 | 1735 |
| 05 | 1-16-2 | 2349003 | P4181.D | 04/05/95 | 1807 |
| 06 | 1-17-1MS | 2349005 | P4183.D | 04/05/95 | 1912 |
| 07 | 1-17-1MSD | 2349006 | P4184.D | 04/05/95 | 1945 |
| 08 | 1-17-2 | 2349007 | P4185.D | 04/05/95 | 2017 |
| 09 | 1-18-1 | 2349008 | P4186.D | 04/05/95 | 2050 |
| 10 | 1-18-2 | 2349009 | P4187.D | 04/05/95 | 2122 |
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000085

WATER CHEMISTRY DATA

000001

NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

We find as follows :

Log In No : 23490

Results in mg/Kg(dry basis) :

| <u>Sample Identification</u> | | <u>Parameter(s)</u> | |
|------------------------------|------------------|-------------------------------------|------|
| | | <u>Total Petroleum Hydrocarbons</u> | |
| Water Method Blank | | 1 U | mg/L |
| Water Method Detection Limit | | 1 | mg/L |
| Soil Method Blank | | 10 U | |
| Soil Method Detection Limit | | 10 | |
| <u>LAB ID</u> | <u>CLIENT ID</u> | | |
| 2349001 | 1-16-1 | 140 | |
| 2349002 | 1-16-D | 120 | |
| 2349003 | 1-16-2 | 1300 | |
| 2349004 | 1-17-1 | 95 | |
| 2349005 | 1-17-1MS | 100 | |
| 2349007 | 1-17-2 | 110 | |
| 2349008 | 1-18-1 | 130 | |
| 2349009 | 1-18-2 | 6300 | |
| 2349010 | 1-20-1 | 190 | |
| 2349011 | 1-21-1 | 140 | |
| 2349012 | FLDBK1 | 1 U | mg/L |
| 2349013 | EQPBK1 | 1 U | mg/L |

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SEMIVOLATILE DATA

000001

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349001

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3738.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 350 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 1800 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 1800 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-16-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2349001

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3738.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 1800 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 1800 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 87-86-5----- | Pentachlorophenol | 1800 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 700 | U |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 100 | J |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a)pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 350 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 350 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

000003

Quantitation Report

Data File : c:\hpchem\1\data\0406\r3647.d
Acq On : 6 Apr 95 20:38 pm
Sample : 2349012, FLDBK1,
Misc : 1,5,,05-APR-95,1000,1,T8270,WATER
Quant Time: Apr 6 21:19 1995

Vial: 12
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 06 17:35:33 1995
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\R3638.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 9.66 | 152 | 1036921 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 12.51 | 136 | 2569039 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 16.76 | 164 | 2010125 | 20.00 | ug/L | -0.02 |
| 54) Phenanthrene-D10 | 20.37 | 188 | 2446636 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 26.93 | 240 | 1094919 | 20.00 | ug/L | -0.02 |
| 73) Perylene-D12 | 32.12 | 264 | 1254625 | 20.00 | ug/L | -0.02 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|---------|-------|------|-----------|
| 14) 2-Fluorophenol | 7.29 | 112 | 648292 | 17.39 | ug/L | 23.18% |
| 15) Phenol-d5 | 9.03 | 99 | 525060 | 10.66 | ug/L | 14.21% |
| 16) 2-Chlorophenol-d4 | 9.29 | 132 | 1588901 | 31.92 | ug/L | 42.56% |
| 17) 1,2-Dichlorobenzene-d4 | 10.06 | 150 | 1165844 | 13.76 | ug/L | 27.51% |
| 32) Nitrobenzene-d5 | 10.91 | 82 | 1114463 | 24.83 | ug/L | 49.65% |
| 52) 2-Fluorobiphenyl | 15.10 | 172 | 2733366 | 20.22 | ug/L | 40.44% |
| 53) 2,4,6-Tribromophenol | 18.74 | 330 | 356143 | 36.18 | ug/L | 48.24% |
| 72) Terphenyl-d14 | 24.32 | 244 | 3257936 | 68.94 | ug/L | 137.88% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|-------|-----|--------|------|------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 26.98 | 149 | 660856 | 3.52 | ug/L | 98 |

10/2/95

(#) = qualifier out of range (m) = manual integration

r3647.d 8270R.M

Wed Apr 12 12:48:09 1995

HPPC

Page 1

000041

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2349013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3648.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|----|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 10 | UU |
| 95-57-8----- | 2-Chlorophenol | 10 | UU |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | UU |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | UU |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | UU |
| 95-48-7----- | 2-Methylphenol | 10 | UU |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | UU |
| 106-44-5----- | 4-Methylphenol | 10 | UU |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | UU |
| 67-72-1----- | Hexachloroethane | 10 | UU |
| 98-95-3----- | Nitrobenzene | 10 | UU |
| 78-59-1----- | Isophorone | 10 | UU |
| 88-75-5----- | 2-Nitrophenol | 10 | UU |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | UU |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | UU |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | UU |
| 91-20-3----- | Naphthalene | 10 | UU |
| 106-47-8----- | 4-Chloroaniline | 10 | UU |
| 87-68-3----- | Hexachlorobutadiene | 10 | UU |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 10 | UU |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | UU |
| 91-57-6----- | 2-Methylnaphthalene | 10 | UU |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | UU |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | UU |
| 95-95-4----- | 2,4,5-Trichlorophenol | 50 | UU |
| 91-58-7----- | 2-Chloronaphthalene | 10 | UU |
| 88-74-4----- | 2-Nitroaniline | 50 | UU |
| 131-11-3----- | Dimethylphthalate | 10 | UU |
| 208-96-8----- | Acenaphthylene | 10 | UU |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | UU |
| 99-09-2----- | 3-Nitroaniline | 50 | UU |
| 83-32-9----- | Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2349013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3648.D

Level: (low/med) LOW

Date Received: 04/05/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 50 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 50 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 50 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 2 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

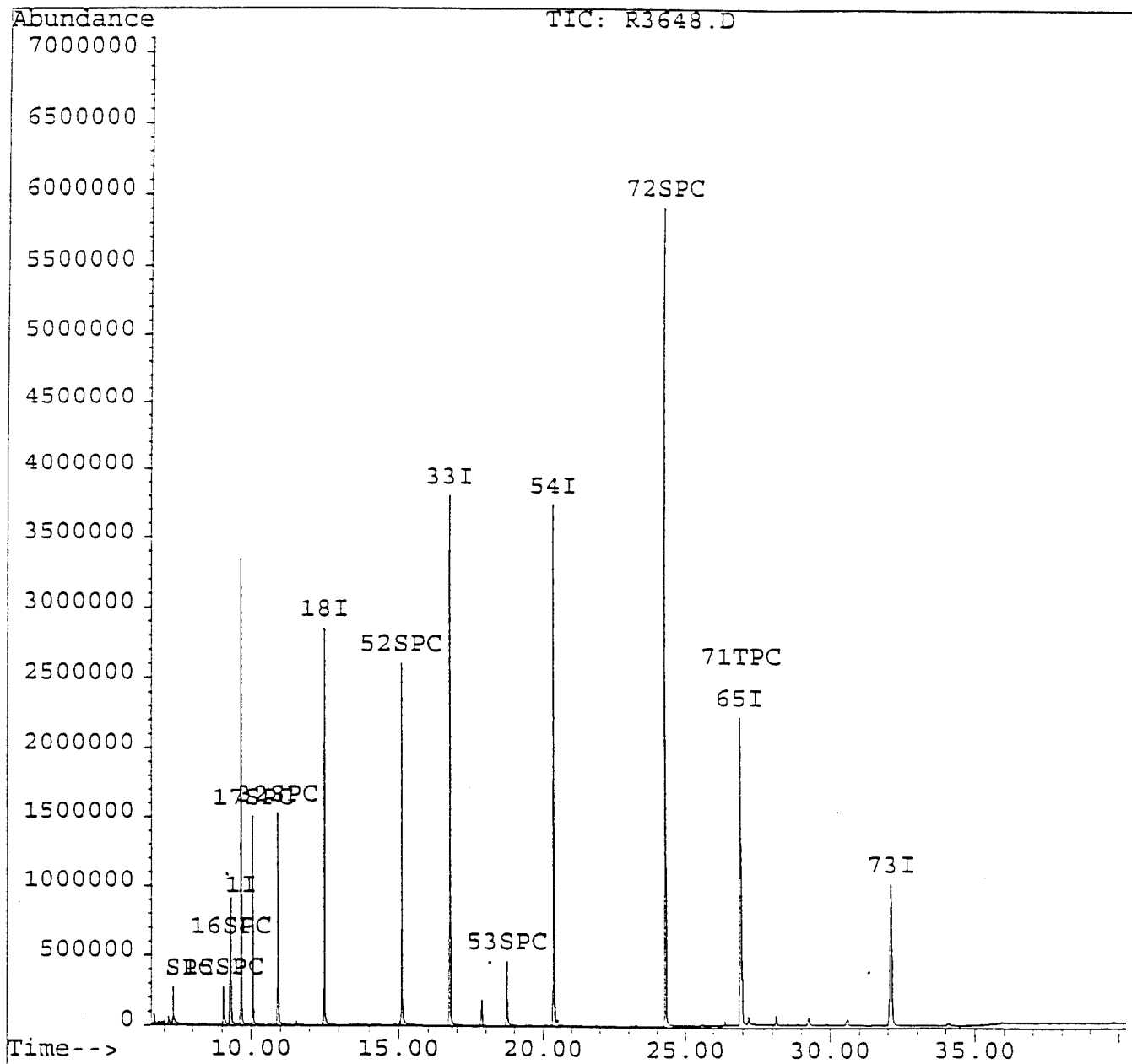
000043

Quantitation Report

Data File : c:\hpchem\1\data\0406\r3648.d
 Acq On : 6 Apr 95 21:28 pm
 Sample : 2349013, EQPBK1 *view*
 Misc : 1,5,,05-APR-95,1000,1,T8270,WATER
 Quant Time: Apr 6 22:09 1995

Vial: 13
 Operator: Francisco
 Inst : HPR
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270R.M
 Title : 390/ASP/SW846
 Last Update : Wed Apr 12 10:02:10 1995
 Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\0406\r3648.d
Acq On : 6 Apr 95 21:28 pm
Sample : 2349013, EQPBK1 *Qu-w-05*
Misc : 1,5,,05-APR-95,1000,1,T8270,WATER
Quant Time: Apr 6 22:09 1995

Vial: 13
Operator: Francisco
Inst : HPR
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Thu Apr 06 17:35:33 1995
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\0406\R3638.D

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 9.66 | 152 | 1101747 | 20.00 | ug/L | 0.00 |
| 18) Naphthalene-D8 | 12.51 | 136 | 2783981 | 20.00 | ug/L | 0.00 |
| 33) Acenaphthene-d10 | 16.77 | 164 | 2163533 | 20.00 | ug/L | 0.00 |
| 54) Phenanthrene-D10 | 20.37 | 188 | 2636422 | 20.00 | ug/L | 0.00 |
| 65) Chrysene-D12 | 26.93 | 240 | 1178081 | 20.00 | ug/L | -0.02 |
| 73) Perylene-D12 | 32.11 | 264 | 1371825 | 20.00 | ug/L | -0.02 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|---------|-------|------|-----------|
| 14) 2-Fluorophenol | 7.31 | 112 | 171731 | 4.33 | ug/L | 5.78% |
| 15) Phenol-d5 | 9.03 | 99 | 225726 | 4.31 | ug/L | 5.75% |
| 16) 2-Chlorophenol-d4 | 9.29 | 132 | 518620 | 9.81 | ug/L | 13.07% |
| 17) 1,2-Dichlorobenzene-d4 | 10.06 | 150 | 807397 | 8.97 | ug/L | 17.93% |
| 32) Nitrobenzene-d5 | 10.91 | 82 | 909917 | 18.71 | ug/L | 37.41% |
| 52) 2-Fluorobiphenyl | 15.10 | 172 | 1816103 | 12.48 | ug/L | 24.96% |
| 53) 2,4,6-Tribromophenol | 18.74 | 330 | 84112 | 7.94 | ug/L | 10.58% |
| 72) Terphenyl-d14 | 24.32 | 244 | 2582350 | 50.79 | ug/L | 101.57% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|-------|-----|--------|------|------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 26.98 | 149 | 375228 | 1.86 | ug/L | 99 |

*17025
5/12/95*

(#) = qualifier out of range (m) = manual integration

r3648.d 8270R.M

Wed Apr 12 12:49:40 1995

HPPC

Page 1

000045

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-23-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350501

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3824.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 350 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-23-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350501

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3824.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|----------------|-----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | Benzo(a) anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-81-7----- | bis(2-Ethylhexyl) phthalate | 61 | J |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b) fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k) fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a) pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 350 | U |
| 53-70-3----- | Dibenz(a,h) anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i) perylene | 350 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

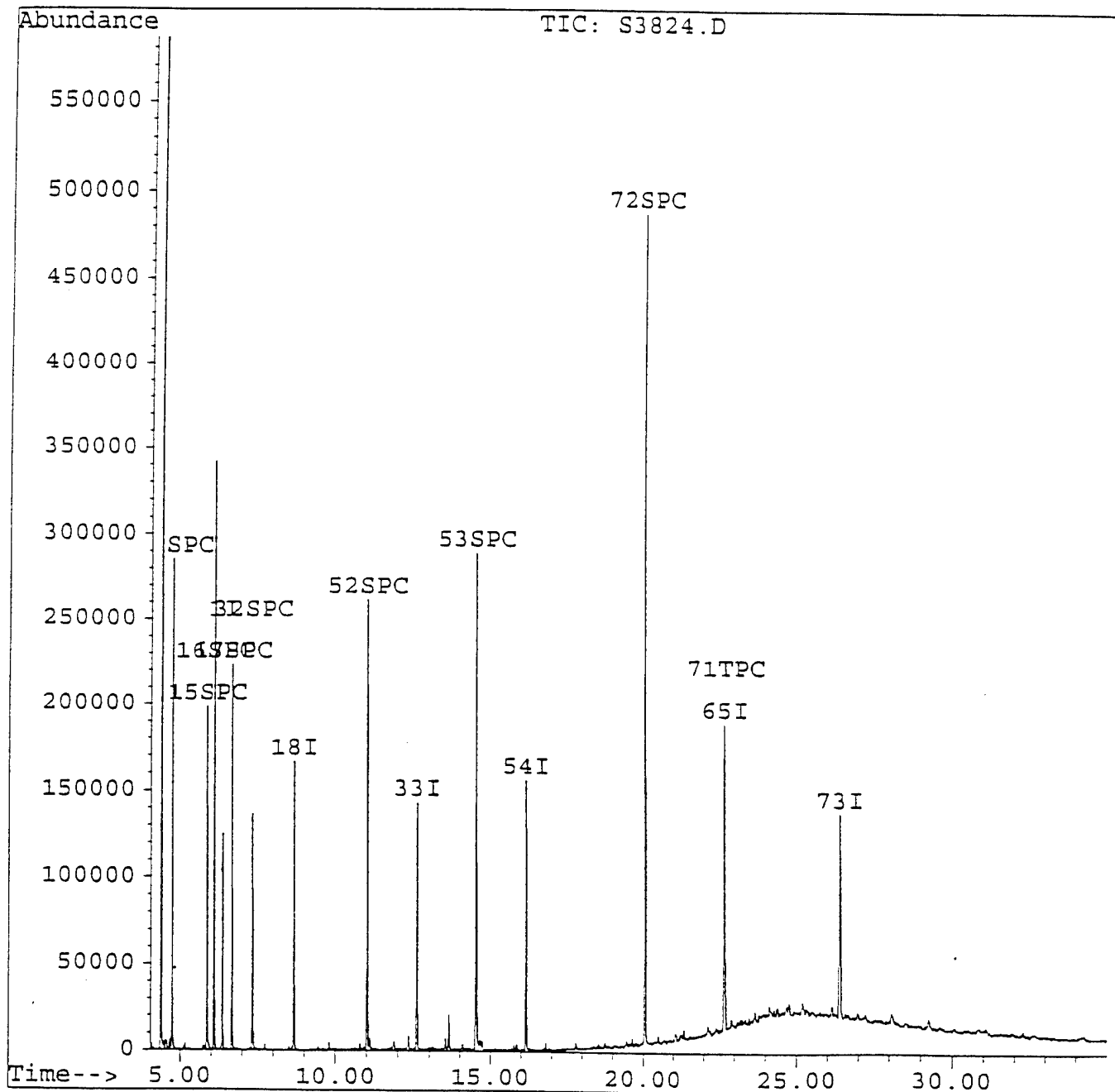
000047

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3824.d
Acq On : 12 Apr 95 18:06 pm
Sample : 2350501,1-23-1,
Misc : 1,,4,06-APR-95,30,1,T8270, SOIL
Quant Time: Apr 12 18:41 1995

Vial: 44
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000048

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3824.d
 Acq On : 12 Apr 95 18:06 pm
 Sample : 2350501,1-23-1,
 Misc : 1,,4,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 12 18:41 1995

Vial: 44
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 29901 | 20.00 | | 0.01 |
| 18) Naphthalene-D8 | 8.66 | 268 | 97176 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.61 | 496 | 56465 | 20.00 | | 0.01 |
| 54) Phenanthrene-D10 | 16.15 | 700 | 101717 | 20.00 | | 0.00 |
| 65) Chrysene-D12 | 22.70 | 1078 | 110571 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.40 | 1292 | 116072 | 20.00 | | 0.01 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|--------|------------|--|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 69288 | 62.87 ug/L | | 83.82% |
| 15) Phenol-d5 | 5.86 | 106 | 74821 | 45.94 ug/L | | 61.26% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 99347 | 50.21 ug/L | | 66.95% |
| 17) 1,2-Dichlorobenzene-d4 | 6.67 | 153 | 57795 | 23.09 ug/L | | 46.17% |
| 32) Nitrobenzene-d5 | 7.33 | 191 | 63840 | 27.94 ug/L | | 55.89% |
| 52) 2-Fluorobiphenyl | 11.00 | 403 | 143349 | 30.98 ug/L | | 61.97% |
| 53) 2,4,6-Tribromophenol | 14.54 | 607 | 65963 | 48.64 ug/L | | 64.85% |
| 72) Terphenyl-d14 | 20.08 | 927 | 242826 | 49.24 ug/L | | 98.49% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|-------|------|-------|-----------|--|--------|
| 71) Bis(2-ethylhexyl)phthalate | 22.73 | 1080 | 11183 | 1.77 ug/L | | 85 |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350502

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3825.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|---|------|---|
| 108-95-2-----Phenol | 350 | U |
| 111-44-4-----bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8-----2-Chlorophenol | 350 | U |
| 541-73-1-----1,3-Dichlorobenzene | 350 | U |
| 106-46-7-----1,4-Dichlorobenzene | 350 | U |
| 95-50-1-----1,2-Dichlorobenzene | 350 | U |
| 95-48-7-----2-Methylphenol | 350 | U |
| 108-60-1-----2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5-----4-Methylphenol | 350 | U |
| 621-64-7-----N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1-----Hexachloroethane | 350 | U |
| 98-95-3-----Nitrobenzene | 350 | U |
| 78-59-1-----Isophorone | 350 | U |
| 88-75-5-----2-Nitrophenol | 350 | U |
| 105-67-9-----2,4-Dimethylphenol | 350 | U |
| 120-83-2-----2,4-Dichlorophenol | 350 | U |
| 120-82-1-----1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3-----Naphthalene | 350 | U |
| 106-47-8-----4-Chloroaniline | 350 | U |
| 87-68-3-----Hexachlorobutadiene | 350 | U |
| 111-91-1-----bis(2-Chloroethoxy) methane | 350 | U |
| 59-50-7-----4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6-----2-Methylnaphthalene | 350 | U |
| 77-47-4-----Hexachlorocyclopentadiene | 350 | U |
| 88-06-2-----2,4,6-Trichlorophenol | 350 | U |
| 95-95-4-----2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7-----2-Chloronaphthalene | 350 | U |
| 88-74-4-----2-Nitroaniline | 1800 | U |
| 131-11-3-----Dimethylphthalate | 350 | U |
| 208-96-8-----Acenaphthylene | 350 | U |
| 606-20-2-----2,6-Dinitrotoluene | 350 | U |
| 99-09-2-----3-Nitroaniline | 1800 | U |
| 83-32-9-----Acenaphthene | 350 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350502

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3825.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7----- | 4-Nitrophenol | 1800 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 1800 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1800 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 87-86-5----- | Pentachlorophenol | 1800 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 700 | U |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 50 | J |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a)pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 350 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 350 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

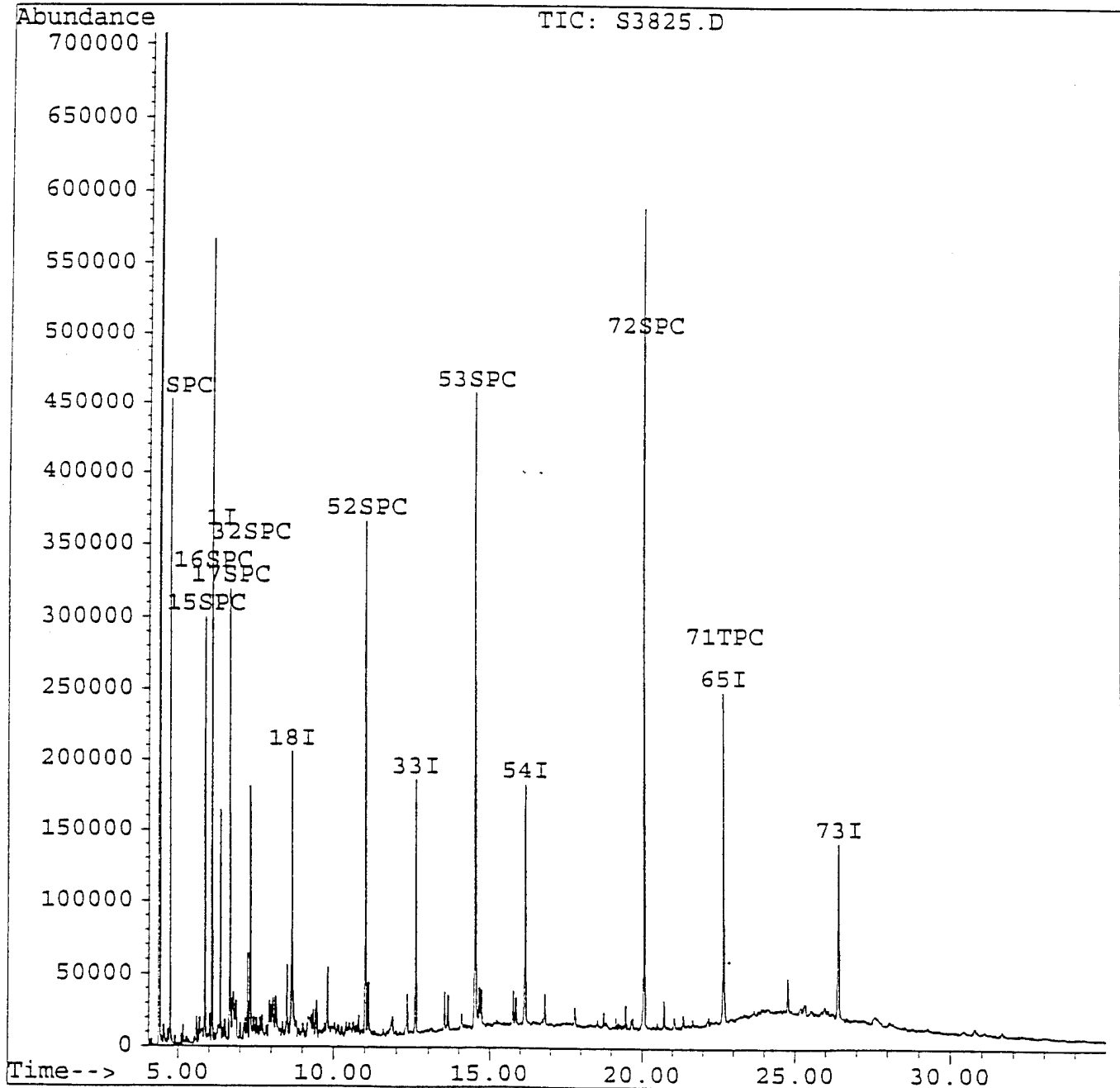
000051

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3825.d
Acq On : 12 Apr 95 18:48 pm
Sample : 2350502,1-22-1,
Misc : 1,,5,06-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 12:05 1995

Vial: 45
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000052

Quantitation Report

Data File : c:\hpcchem\1\data\0412\s3825.d
 Acq On : 12 Apr 95 18:48 pm
 Sample : 2350502,1-22-1,
 Misc : 1,,5,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 12:05 1995

Vial: 45
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpcchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 36171 | 20.00 | | 0.01 |
| 18) Naphthalene-D8 | 8.66 | 268 | 107617 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.61 | 496 | 64055 | 20.00 | | 0.01 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 114234 | 20.00 | | 0.01 |
| 65) Chrysene-D12 | 22.70 | 1078 | 123933 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.42 | 1293 | 125832 | 20.00 | | 0.03 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|--------|------------|--|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 110174 | 82.60 ug/L | | 110.18% |
| 15) Phenol-d5 | 5.88 | 107 | 122888 | 62.38 ug/L | | 83.17% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 165952 | 69.33 ug/L | | 92.44% |
| 17) 1,2-Dichlorobenzene-d4 | 6.67 | 153 | 88544 | 29.24 ug/L | | 58.48% |
| 32) Nitrobenzene-d5 | 7.33 | 191 | 93372 | 36.90 ug/L | | 73.81% |
| 52) 2-Fluorobiphenyl | 11.02 | 404 | 203066 | 38.69 ug/L | | 77.38% |
| 53) 2,4,6-Tribromophenol | 14.54 | 607 | 107641 | 69.96 ug/L | | 93.29% |
| 72) Terphenyl-d14 | 20.10 | 928 | 370897 | 67.11 ug/L | | 134.21% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|-------|------|-------|-----------|--|--------|
| 71) Bis(2-ethylhexyl)phthalate | 22.73 | 1080 | 10197 | 1.44 ug/L | | 88 |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1D

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350503

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3826.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 4.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 1400 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 1400 | U |
| 95-57-8----- | 2-Chlorophenol | 1400 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 1400 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 1400 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 1400 | U |
| 95-48-7----- | 2-Methylphenol | 1400 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 1400 | U |
| 106-44-5----- | 4-Methylphenol | 1400 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 1400 | U |
| 67-72-1----- | Hexachloroethane | 1400 | U |
| 98-95-3----- | Nitrobenzene | 1400 | U |
| 78-59-1----- | Isophorone | 1400 | U |
| 88-75-5----- | 2-Nitrophenol | 1400 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1400 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1400 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 1400 | U |
| 91-20-3----- | Naphthalene | 1400 | U |
| 106-47-8----- | 4-Chloroaniline | 1400 | U |
| 87-68-3----- | Hexachlorobutadiene | 1400 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 1400 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 1400 | U |
| 91-57-6----- | 2-Methylnaphthalene | 1400 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 1400 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1400 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 7100 | U |
| 91-58-7----- | 2-Chloronaphthalene | 1400 | U |
| 88-74-4----- | 2-Nitroaniline | 7100 | U |
| 131-11-3----- | Dimethylphthalate | 1400 | U |
| 208-96-8----- | Acenaphthylene | 1400 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1400 | U |
| 99-09-2----- | 3-Nitroaniline | 7100 | U |
| 83-32-9----- | Acenaphthene | 1400 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-22-1D

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350503

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3826.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | Q |
|----------------|----------------------------|---|
| 51-28-5----- | 2,4-Dinitrophenol | U |
| 100-02-7----- | 4-Nitrophenol | U |
| 132-64-9----- | Dibenzofuran | U |
| 121-14-2----- | 2,4-Dinitrotoluene | U |
| 84-66-2----- | Diethylphthalate | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | U |
| 86-73-7----- | Fluorene | U |
| 100-01-6----- | 4-Nitroaniline | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | U |
| 118-74-1----- | Hexachlorobenzene | U |
| 87-86-5----- | Pentachlorophenol | U |
| 85-01-8----- | Phenanthrene | U |
| 120-12-7----- | Anthracene | U |
| 86-74-8----- | Carbazole | U |
| 84-74-2----- | Di-n-butylphthalate | U |
| 206-44-0----- | Fluoranthene | J |
| 129-00-0----- | Pyrene | J |
| 85-68-7----- | Butylbenzylphthalate | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | U |
| 56-55-3----- | Benzo(a)anthracene | U |
| 218-01-9----- | Chrysene | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | U |
| 117-84-0----- | Di-n-octylphthalate | U |
| 205-99-2----- | Benzo(b)fluoranthene | U |
| 207-08-9----- | Benzo(k)fluoranthene | U |
| 50-32-8----- | Benzo(a)pyrene | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | U |
| 53-70-3----- | Dibenz(a,h)anthracene | U |
| 191-24-2----- | Benzo(g,h,i)perylene | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

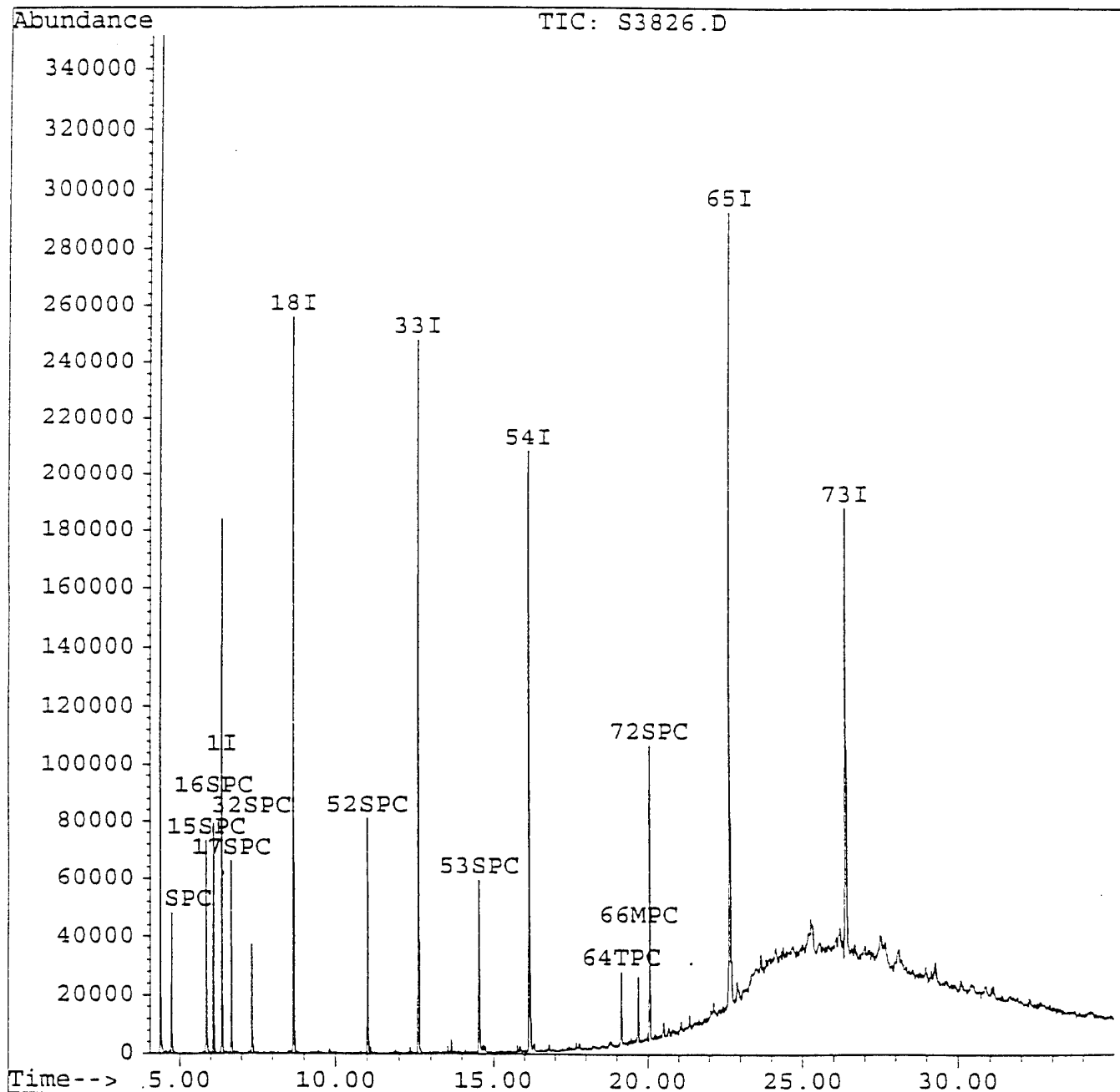
000055

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3826.d
Acq On : 12 Apr 95 19:31 pm
Sample : 2350503,1-22-1D,
Misc : 4,,6,06-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 12:03 1995

Vial: 46
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000056

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3826.d
 Acq On : 12 Apr 95 19:31 pm
 Sample : 2350503,1-22-1D,
 Misc : 4,,6,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 12:03 1995

Vial: 46
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 44191 | 20.00 | | 0.02 |
| 18) Naphthalene-D8 | 8.67 | 268 | 146203 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.62 | 496 | 89283 | 20.00 | | 0.02 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 149464 | 20.00 | | 0.02 |
| 65) Chrysene-D12 | 22.70 | 1078 | 152252 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.42 | 1293 | 150245 | 20.00 | | 0.03 |

| System Monitoring Compounds | R.T. | Scan | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 15264 | 9.37 | ug/L | 12.49% |
| 15) Phenol-d5 | 5.86 | 106 | 22880 | 9.51 | ug/L | 12.67% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 25602 | 8.75 | ug/L | 11.67% |
| 17) 1,2-Dichlorobenzene-d4 | 6.67 | 153 | 19486 | 5.27 | ug/L | 10.53% |
| 32) Nitrobenzene-d5 | 7.33 | 191 | 21353 | 6.21 | ug/L | 12.42% |
| 52) 2-Fluorobiphenyl | 11.01 | 403 | 41728 | 5.70 | ug/L | 11.41% |
| 53) 2,4,6-Tribromophenol | 14.54 | 607 | 14276 | 6.66 | ug/L | 8.88% |
| 72) Terphenyl-d14 | 20.08 | 927 | 53123 | 7.82 | ug/L | 15.65% |

| Target Compounds | R.T. | Scan | Response | Conc | Units | Qvalue |
|------------------|-------|------|----------|------|-------|--------|
| 64) Fluoranthene | 19.15 | 873 | 17067 | 1.89 | ug/L | 88 |
| 66) Pyrene | 19.70 | 905 | 14323 | 1.28 | ug/L | 94 |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350504

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3827.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 5.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|-------------------------------|------|---|
| 108-95-2----- | Phenol | 1800 | U |
| 111-44-4----- | bis (2-Chloroethyl) Ether | 1800 | U |
| 95-57-8----- | 2-Chlorophenol | 1800 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 1800 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 1800 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 1800 | U |
| 95-48-7----- | 2-Methylphenol | 1800 | U |
| 108-60-1----- | 2,2'-oxybis (1-Chloropropane) | 1800 | U |
| 106-44-5----- | 4-Methylphenol | 1800 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 1800 | U |
| 67-72-1----- | Hexachloroethane | 1800 | U |
| 98-95-3----- | Nitrobenzene | 1800 | U |
| 78-59-1----- | Isophorone | 1800 | U |
| 88-75-5----- | 2-Nitrophenol | 1800 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1800 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1800 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 1800 | U |
| 91-20-3----- | Naphthalene | 1800 | U |
| 106-47-8----- | 4-Chloroaniline | 1800 | U |
| 87-68-3----- | Hexachlorobutadiene | 1800 | U |
| 111-91-1----- | bis (2-Chloroethoxy) methane | 1800 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 1800 | U |
| 91-57-6----- | 2-Methylnaphthalene | 1800 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 1800 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1800 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 8800 | U |
| 91-58-7----- | 2-Chloronaphthalene | 1800 | U |
| 88-74-4----- | 2-Nitroaniline | 8800 | U |
| 131-11-3----- | Dimethylphthalate | 1800 | U |
| 208-96-8----- | Acenaphthylene | 1800 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1800 | U |
| 99-09-2----- | 3-Nitroaniline | 8800 | U |
| 83-32-9----- | Acenaphthene | 1800 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350504

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3827.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 5 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NO. | COMPOUND | Q |
|----------------|----------------------------|--------|
| 51-28-5----- | 2,4-Dinitrophenol | 8800 U |
| 100-02-7----- | 4-Nitrophenol | 8800 U |
| 132-64-9----- | Dibenzofuran | 1800 U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1800 U |
| 84-66-2----- | Diethylphthalate | 1800 U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1800 U |
| 86-73-7----- | Fluorene | 1800 U |
| 100-01-6----- | 4-Nitroaniline | 8800 U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 8800 U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1800 U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1800 U |
| 118-74-1----- | Hexachlorobenzene | 1800 U |
| 87-86-5----- | Pentachlorophenol | 8800 U |
| 85-01-8----- | Phenanthrene | 950 J |
| 120-12-7----- | Anthracene | 340 J |
| 86-74-8----- | Carbazole | 290 J |
| 84-74-2----- | Di-n-butylphthalate | 1800 U |
| 206-44-0----- | Fluoranthene | 1100 J |
| 129-00-0----- | Pyrene | 780 J |
| 85-68-7----- | Butylbenzylphthalate | 1800 U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 3500 U |
| 56-55-3----- | Benzo(a)anthracene | 520 J |
| 218-01-9----- | Chrysene | 550 J |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 1800 U |
| 117-84-0----- | Di-n-octylphthalate | 1800 U |
| 205-99-2----- | Benzo(b)fluoranthene | 430 J |
| 207-08-9----- | Benzo(k)fluoranthene | 430 J |
| 50-32-8----- | Benzo(a)pyrene | 540 J |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 210 J |
| 53-70-3----- | Dibenz(a,h)anthracene | 1800 U |
| 191-24-2----- | Benzo(g,h,i)perylene | 210 J |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

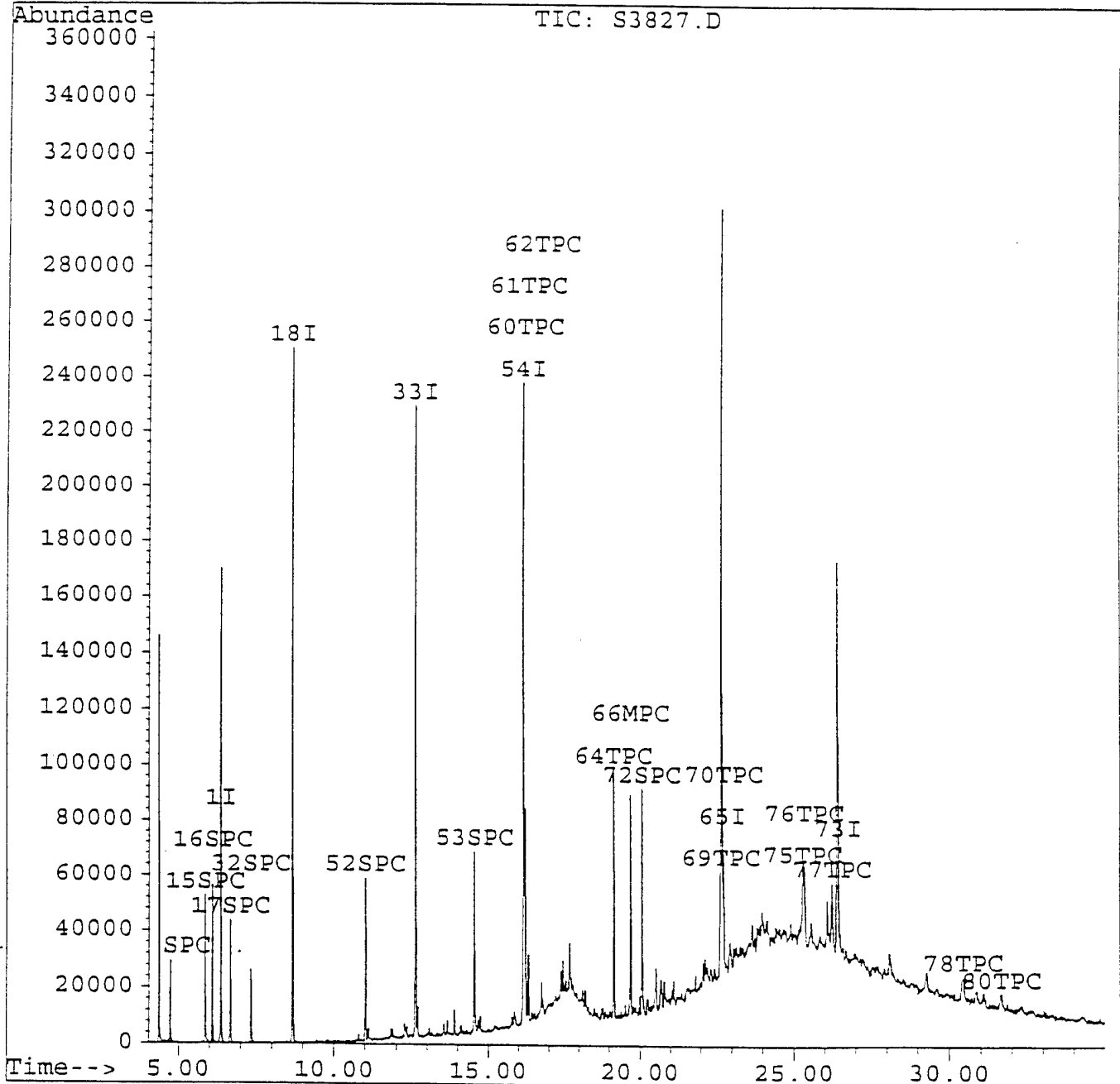
000059

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3827.d
Acq On : 12 Apr 95 20:14 pm
Sample : 2350504,1-19-1,
Misc : 5,,5,06-APR-95,30,1,T8270, SOIL
Quant Time: Apr 13 12:13 1995

Vial: 47
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000060

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3827.d
 Acq On : 12 Apr 95 20:14 pm
 Sample : 2350504,1-19-1,
 Misc : 5,,5,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 12:13 1995

Vial: 47
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 42880 | 20.00 | | 0.02 |
| 18) Naphthalene-D8 | 8.67 | 268 | 144724 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.62 | 496 | 81386 | 20.00 | | 0.02 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 146875 | 20.00 | | 0.02 |
| 65) Chrysene-D12 | 22.70 | 1078 | 144646 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.43 | 1293 | 139838 | 20.00 | | 0.03 |

| System Monitoring Compounds | R.T. | Scan | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 10476 | 6.63 | ug/L | 8.84% |
| 15) Phenol-d5 | 5.86 | 106 | 16204 | 6.94 | ug/L | 9.25% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 19131 | 6.74 | ug/L | 8.99% |
| 17) 1,2-Dichlorobenzene-d4 | 6.68 | 153 | 12204 | 3.40 | ug/L | 6.80% |
| 32) Nitrobenzene-d5 | 7.33 | 191 | 14350 | 4.22 | ug/L | 8.44% |
| 52) 2-Fluorobiphenyl | 11.01 | 403 | 28308 | 4.25 | ug/L | 8.49% |
| 53) 2,4,6-Tribromophenol | 14.54 | 607 | 15487 | 7.92 | ug/L | 10.56% |
| 72) Terphenyl-d14 | 20.08 | 927 | 37799 | 5.86 | ug/L | 11.72% |

| Target Compounds | R.T. | Scan | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 60) Phenanthrene | 16.22 | 704 | 46704 | 5.44 | ug/L | 99 |
| 61) Anthracene | 16.33 | 710 | 13427 | 1.93 | ug/L | 92 |
| 62) Carbazole | 16.76 | 735 | 6687 | 1.66 | ug/L | 95 |
| 64) Fluoranthene | 19.15 | 873 | 57846 | 6.52 | ug/L | 92 |
| 66) Pyrene | 19.70 | 905 | 47728 | 4.48 | ug/L | 98 |
| 69) Benzo(a)anthracene | 22.65 | 1075 | 25114 | 2.97 | ug/L m | 98 |
| 70) Chrysene | 22.75 | 1081 | 24327 | 3.12 | ug/L | 94 |
| 75) Benzo(b)fluoranthene | 25.30 | 1228 | 19801 | 2.46 | ug/L | 94 |
| 76) Benzo(k)fluoranthene | 25.35 | 1231 | 18066 | 2.44 | ug/L m | 94 |
| 77) Benzo(a)pyrene | 26.23 | 1282 | 20946 | 3.10 | ug/L | 79 |
| 78) Indeno(1,2,3-cd)pyrene | 30.44 | 1525 | 10677 | 1.22 | ug/L | 89 |
| 80) Benzo(g,h,i)perylene | 31.66 | 1595 | 8116 | 1.21 | ug/L # | 67 |

000061

Timothy 9/13/95

(#) = qualifier out of range (m) = manual integration

s3827.d 8270S.M

Thu Apr 13 12:35:23 1995

HPPC

Page 1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350505

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3828.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 5.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 1800 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 1800 | U |
| 95-57-8----- | 2-Chlorophenol | 1800 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 1800 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 1800 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 1800 | U |
| 95-48-7----- | 2-Methylphenol | 1800 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 1800 | U |
| 106-44-5----- | 4-Methylphenol | 1800 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 1800 | U |
| 67-72-1----- | Hexachloroethane | 1800 | U |
| 98-95-3----- | Nitrobenzene | 1800 | U |
| 78-59-1----- | Isophorone | 1800 | U |
| 88-75-5----- | 2-Nitrophenol | 1800 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 1800 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 1800 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 1800 | U |
| 91-20-3----- | Naphthalene | 1800 | U |
| 106-47-8----- | 4-Chloroaniline | 1800 | U |
| 87-68-3----- | Hexachlorobutadiene | 1800 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 1800 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 1800 | U |
| 91-57-6----- | 2-Methylnaphthalene | 1800 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 1800 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 1800 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 8900 | U |
| 91-58-7----- | 2-Chloronaphthalene | 1800 | U |
| 88-74-4----- | 2-Nitroaniline | 8900 | U |
| 131-11-3----- | Dimethylphthalate | 1800 | U |
| 208-96-8----- | Acenaphthylene | 1800 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 1800 | U |
| 99-09-2----- | 3-Nitroaniline | 8900 | U |
| 83-32-9----- | Acenaphthene | 300 | J |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-19-2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350505

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3828.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 6 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 5.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 8900 | U |
| 100-02-7----- | 4-Nitrophenol | 8900 | U |
| 132-64-9----- | Dibenzofuran | 1800 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 1800 | U |
| 84-66-2----- | Diethylphthalate | 1800 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 1800 | U |
| 86-73-7----- | Fluorene | 220 | J |
| 100-01-6----- | 4-Nitroaniline | 8900 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 8900 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 1800 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 1800 | U |
| 118-74-1----- | Hexachlorobenzene | 1800 | U |
| 87-86-5----- | Pentachlorophenol | 8900 | U |
| 85-01-8----- | Phenanthrene | 2800 | |
| 120-12-7----- | Anthracene | 880 | J |
| 86-74-8----- | Carbazole | 490 | J |
| 84-74-2----- | Di-n-butylphthalate | 1800 | U |
| 206-44-0----- | Fluoranthene | 6600 | |
| 129-00-0----- | Pyrene | 4800 | |
| 85-68-7----- | Butylbenzylphthalate | 1800 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 3500 | U |
| 56-55-3----- | Benzo(a)anthracene | 3800 | |
| 218-01-9----- | Chrysene | 4000 | |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 1800 | U |
| 117-84-0----- | Di-n-octylphthalate | 1800 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 4200 | |
| 207-08-9----- | Benzo(k)fluoranthene | 3000 | |
| 50-32-8----- | Benzo(a)pyrene | 3900 | |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 1100 | J |
| 53-70-3----- | Dibenz(a,h)anthracene | 1800 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 1000 | J |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

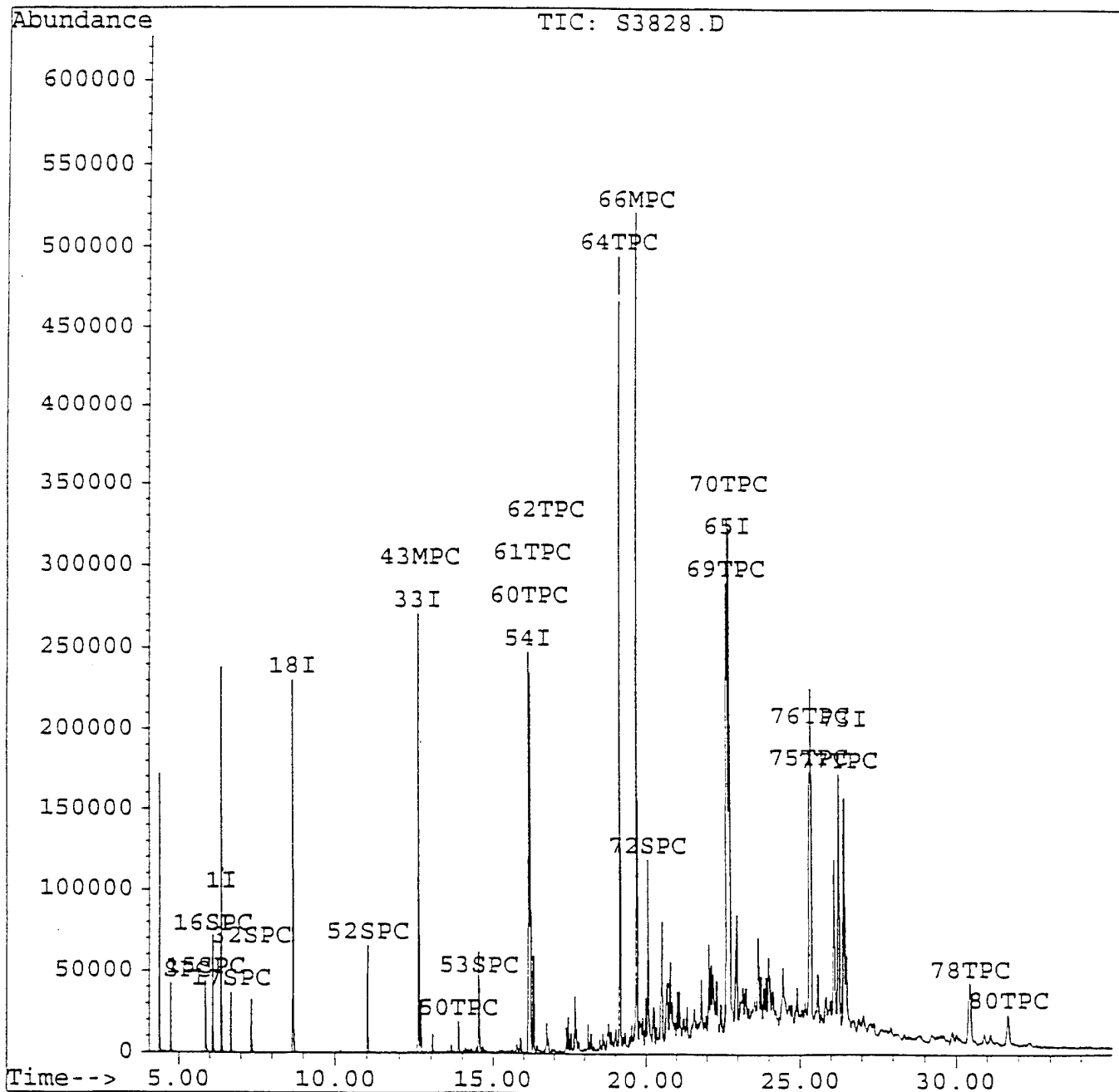
000063

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3828.d
 Acq On : 12 Apr 95 20:57 pm
 Sample : 2350505,1-19-2,
 Misc : 5,,6,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 12:18 1995

Vial: 48
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Single Level Calibration



000064

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3828.d
 Acq On : 12 Apr 95 20:57 pm
 Sample : 2350505,1-19-2,
 Misc : 5,,6,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 13 12:18 1995

Vial: 48
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 44874 | 20.00 | | 0.01 |
| 18) Naphthalene-D8 | 8.66 | 268 | 141990 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.61 | 496 | 87951 | 20.00 | | 0.01 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 142072 | 20.00 | | 0.01 |
| 65) Chrysene-D12 | 22.71 | 1079 | 162855 | 20.00 | | 0.01 |
| 73) Perylene-D12 | 26.44 | 1294 | 142445 | 20.00 | | 0.05 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|-------|-----------|--|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 10823 | 6.54 ug/L | | 8.72% |
| 15) Phenol-d5 | 5.86 | 106 | 16999 | 6.96 ug/L | | 9.27% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 19484 | 6.56 ug/L | | 8.75% |
| 17) 1,2-Dichlorobenzene-d4 | 6.69 | 154 | 13036 | 3.47 ug/L | | 6.94% |
| 32) Nitrobenzene-d5 | 7.35 | 192 | 16136 | 4.83 ug/L | | 9.67% |
| 52) 2-Fluorobiphenyl | 11.02 | 404 | 33971 | 4.71 ug/L | | 9.43% |
| 53) 2,4,6-Tribromophenol | 14.54 | 607 | 15919 | 7.54 ug/L | | 10.05% |
| 72) Terphenyl-d14 | 20.08 | 927 | 45267 | 6.23 ug/L | | 12.47% |

| Target Compounds | | | | | | Qvalue |
|----------------------------|-------|------|--------|------------|---|--------|
| 43) Acenaphthene | 12.68 | 500 | 9409 | 1.68 ug/L | | 97 |
| 50) Fluorene | 13.88 | 569 | 9448 | 1.24 ug/L | # | 93 |
| 60) Phenanthrene | 16.22 | 704 | 132394 | 15.93 ug/L | | 98 |
| 61) Anthracene | 16.32 | 710 | 33436 | 4.96 ug/L | | 94 |
| 62) Carbazole | 16.75 | 735 | 10742 | 2.75 ug/L | | 95 |
| 64) Fluoranthene | 19.16 | 874 | 318845 | 37.16 ug/L | | 97 |
| 66) Pyrene | 19.72 | 906 | 328798 | 27.39 ug/L | | 96 |
| 69) Benzo(a)anthracene | 22.66 | 1076 | 203991 | 21.39 ug/L | | 98 |
| 70) Chrysene | 22.77 | 1082 | 197983 | 22.52 ug/L | | 98 |
| 75) Benzo(b)fluoranthene | 25.31 | 1229 | 192029 | 23.43 ug/L | m | 97 |
| 76) Benzo(k)fluoranthene | 25.37 | 1232 | 127655 | 16.91 ug/L | m | 97 |
| 77) Benzo(a)pyrene | 26.27 | 1284 | 152295 | 22.15 ug/L | | 78 |
| 78) Indeno(1,2,3-cd)pyrene | 30.46 | 1526 | 53610 | 6.02 ug/L | | 97 |
| 80) Benzo(g,h,i)perylene | 31.67 | 1596 | 39744 | 5.83 ug/L | m | 80 |

000065

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-24-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350506

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3829.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 350 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 350 | U |
| 95-57-8----- | 2-Chlorophenol | 350 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 350 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 350 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 350 | U |
| 95-48-7----- | 2-Methylphenol | 350 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 350 | U |
| 106-44-5----- | 4-Methylphenol | 350 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 350 | U |
| 67-72-1----- | Hexachloroethane | 350 | U |
| 98-95-3----- | Nitrobenzene | 350 | U |
| 78-59-1----- | Isophorone | 350 | U |
| 88-75-5----- | 2-Nitrophenol | 350 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 350 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 350 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 350 | U |
| 91-20-3----- | Naphthalene | 350 | U |
| 106-47-8----- | 4-Chloroaniline | 350 | U |
| 87-68-3----- | Hexachlorobutadiene | 350 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 350 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 350 | U |
| 91-57-6----- | 2-Methylnaphthalene | 350 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 350 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 350 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 350 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 350 | U |
| 208-96-8----- | Acenaphthylene | 350 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 350 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 350 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-24-1

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: 2350506

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3829.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 4 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 350 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 350 | U |
| 84-66-2----- | Diethylphthalate | 350 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 350 | U |
| 86-73-7----- | Fluorene | 350 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 350 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 350 | U |
| 118-74-1----- | Hexachlorobenzene | 350 | U |
| 87-86-5----- | Pentachlorobenzene | 1700 | U |
| 85-01-8----- | Phenanthrene | 350 | U |
| 120-12-7----- | Anthracene | 350 | U |
| 86-74-8----- | Carbazole | 350 | U |
| 84-74-2----- | Di-n-butylphthalate | 350 | U |
| 206-44-0----- | Fluoranthene | 350 | U |
| 129-00-0----- | Pyrene | 350 | U |
| 85-68-7----- | Butylbenzylphthalate | 350 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 690 | U |
| 56-55-3----- | Benzo(a)anthracene | 350 | U |
| 218-01-9----- | Chrysene | 350 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 63 | J |
| 117-84-0----- | Di-n-octylphthalate | 350 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 350 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 350 | U |
| 50-32-8----- | Benzo(a)pyrene | 350 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 350 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 350 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 350 | U |

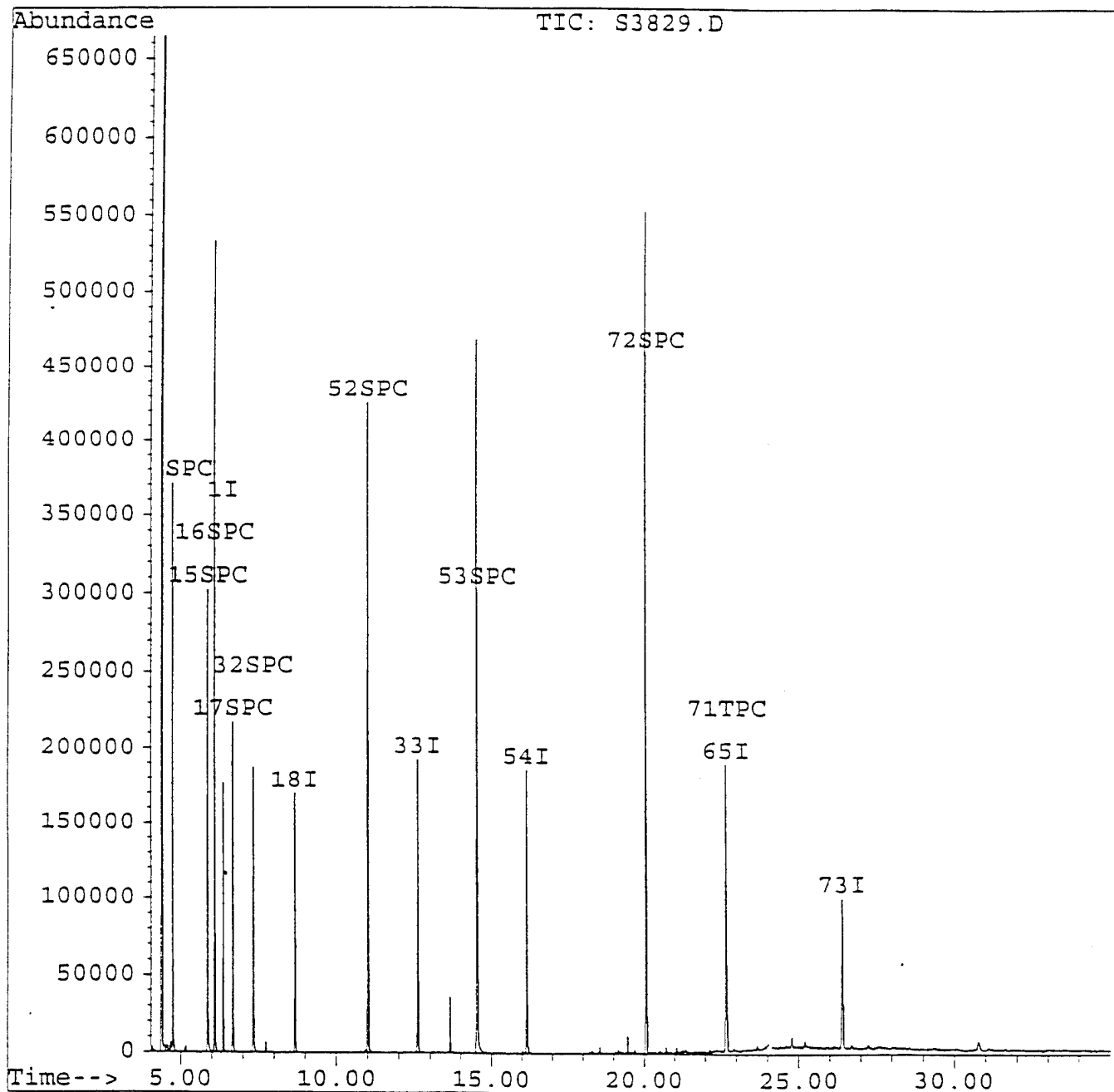
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3829.d
Acq On : 12 Apr 95 21:40 pm
Sample : 2350506, 1-24-2, 1 *W. W. AS*
Misc : 1,,4,06-APR-95,30,1,T8270, SOIL
Quant Time: Apr 12 22:15 1995

Vial: 49
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000068

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3829.d
 Acq On : 12 Apr 95 21:40 pm
 Sample : 2350506,1-24-Z,1 *Phthalate*
 Misc : 1,,4,06-APR-95,30,1,T8270, SOIL
 Quant Time: Apr 12 22:15 1995

Vial: 49
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 32418 | 20.00 | | 0.01 |
| 18) Naphthalene-D8 | 8.66 | 268 | 103176 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.61 | 496 | 68963 | 20.00 | | 0.01 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 119565 | 20.00 | | 0.01 |
| 65) Chrysene-D12 | 22.70 | 1078 | 105601 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.40 | 1292 | 103424 | 20.00 | | 0.01 |

| System Monitoring Compounds | R.T. | Scan | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 88996 | 74.48 | ug/L | 99.30% |
| 15) Phenol-d5 | 5.88 | 107 | 111546 | 63.18 | ug/L | 84.23% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 148697 | 69.32 | ug/L | 92.42% |
| 17) 1,2-Dichlorobenzene-d4 | 6.69 | 154 | 81043 | 29.86 | ug/L | 59.72% |
| 32) Nitrobenzene-d5 | 7.35 | 192 | 85631 | 35.30 | ug/L | 70.60% |
| 52) 2-Fluorobiphenyl | 11.02 | 404 | 218116 | 38.60 | ug/L | 77.20% |
| 53) 2,4,6-Tribromophenol | 14.56 | 608 | 117178 | 70.74 | ug/L | 94.32% |
| 72) Terphenyl-d14 | 20.10 | 928 | 358155 | 76.05 | ug/L | 152.10% |

| Target Compounds | R.T. | Scan | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 71) Bis(2-ethylhexyl)phthalate | 22.73 | 1080 | 11045 | 1.83 | ug/L | 87 |

000069

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

S^{TS} No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2350507

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3831.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|---|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 10 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 50 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 50 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQPBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2350507

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3831.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 50 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 50 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 50 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

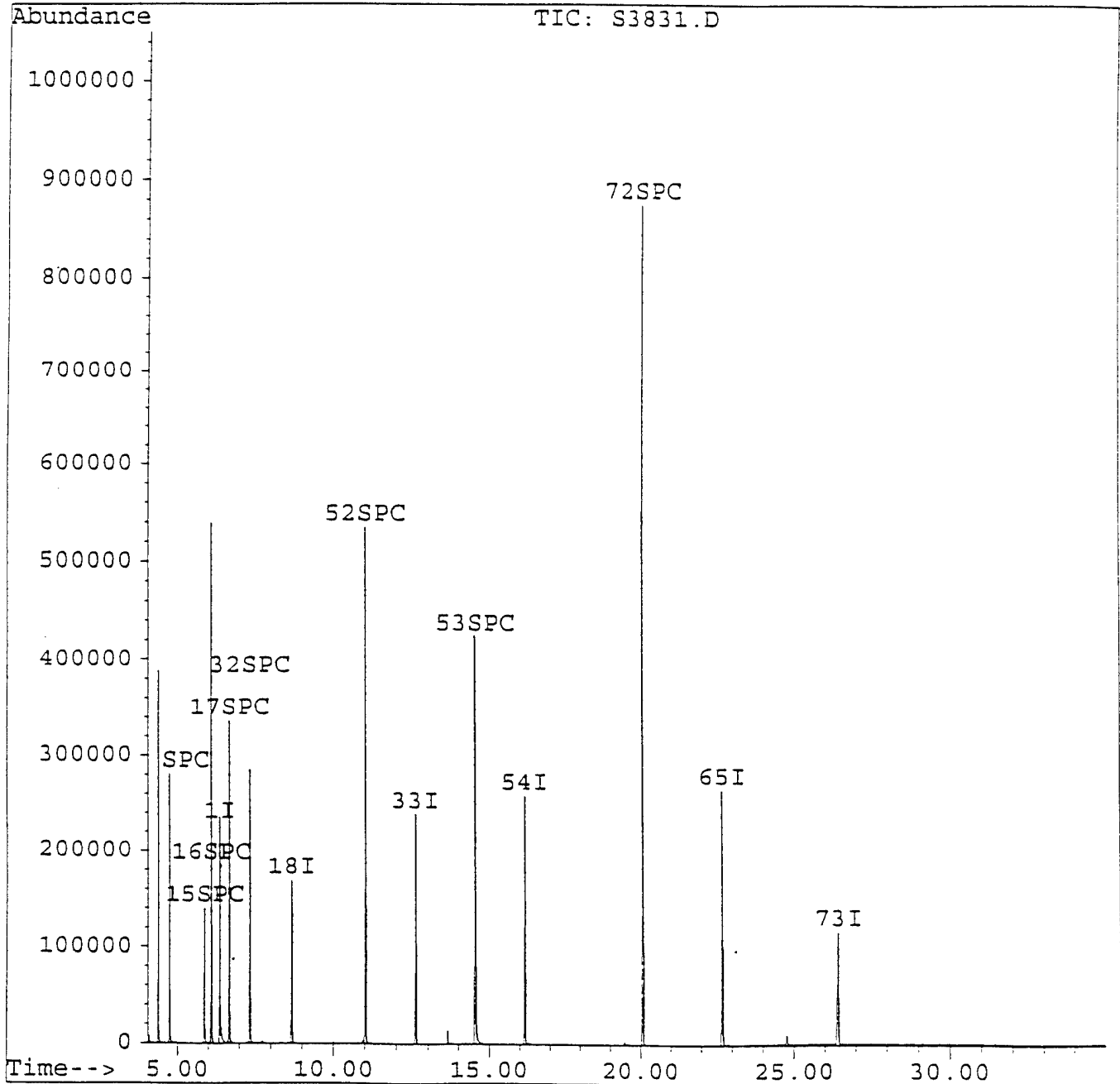
(1) - Cannot be separated from Diphenylamine

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3831.d
Acq On : 12 Apr 95 23:06 pm
Sample : 2350507, EQPBK2,
Misc : 1,,,07-APR-95,1000,1,T8270, WATER
Quant Time: Apr 12 23:41 1995

Vial: 51
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000072

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3831.d
 Acq On : 12 Apr 95 23:06 pm
 Sample : 2350507,EQPBK2,
 Misc : 1,,,07-APR-95,1000,1,T8270, WATER
 Quant Time: Apr 12 23:41 1995

Vial: 51
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 39636 | 20.00 | | 0.01 |
| 18) Naphthalene-D8 | 8.66 | 268 | 120212 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.61 | 496 | 82523 | 20.00 | | 0.01 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 151789 | 20.00 | | 0.01 |
| 65) Chrysene-D12 | 22.70 | 1078 | 155721 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.42 | 1293 | 133271 | 20.00 | | 0.03 |

| System Monitoring Compounds | | | | | | %Recovery |
|-----------------------------|-------|-----|--------|------------|--|-----------|
| 14) 2-Fluorophenol | 4.75 | 42 | 65514 | 44.84 ug/L | | 59.79% |
| 15) Phenol-d5 | 5.88 | 107 | 47516 | 22.01 ug/L | | 29.35% |
| 16) 2-Chlorophenol-d4 | 6.10 | 120 | 148551 | 56.64 ug/L | | 75.52% |
| 17) 1,2-Dichlorobenzene-d4 | 6.69 | 154 | 95777 | 28.86 ug/L | | 57.72% |
| 32) Nitrobenzene-d5 | 7.35 | 192 | 109498 | 38.74 ug/L | | 77.49% |
| 52) 2-Fluorobiphenyl | 11.02 | 404 | 244673 | 36.19 ug/L | | 72.37% |
| 53) 2,4,6-Tribromophenol | 14.55 | 608 | 125162 | 63.15 ug/L | | 84.19% |
| 72) Terphenyl-d14 | 20.10 | 928 | 509833 | 73.41 ug/L | | 146.83% |

Target Compounds Qvalue

000073

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLDBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2350508

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3832.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|---|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 10 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 50 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 50 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLDBK2

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: 2350508

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3832.D

Level: (low/med) LOW

Date Received: 04/06/95

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 50 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 50 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 50 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

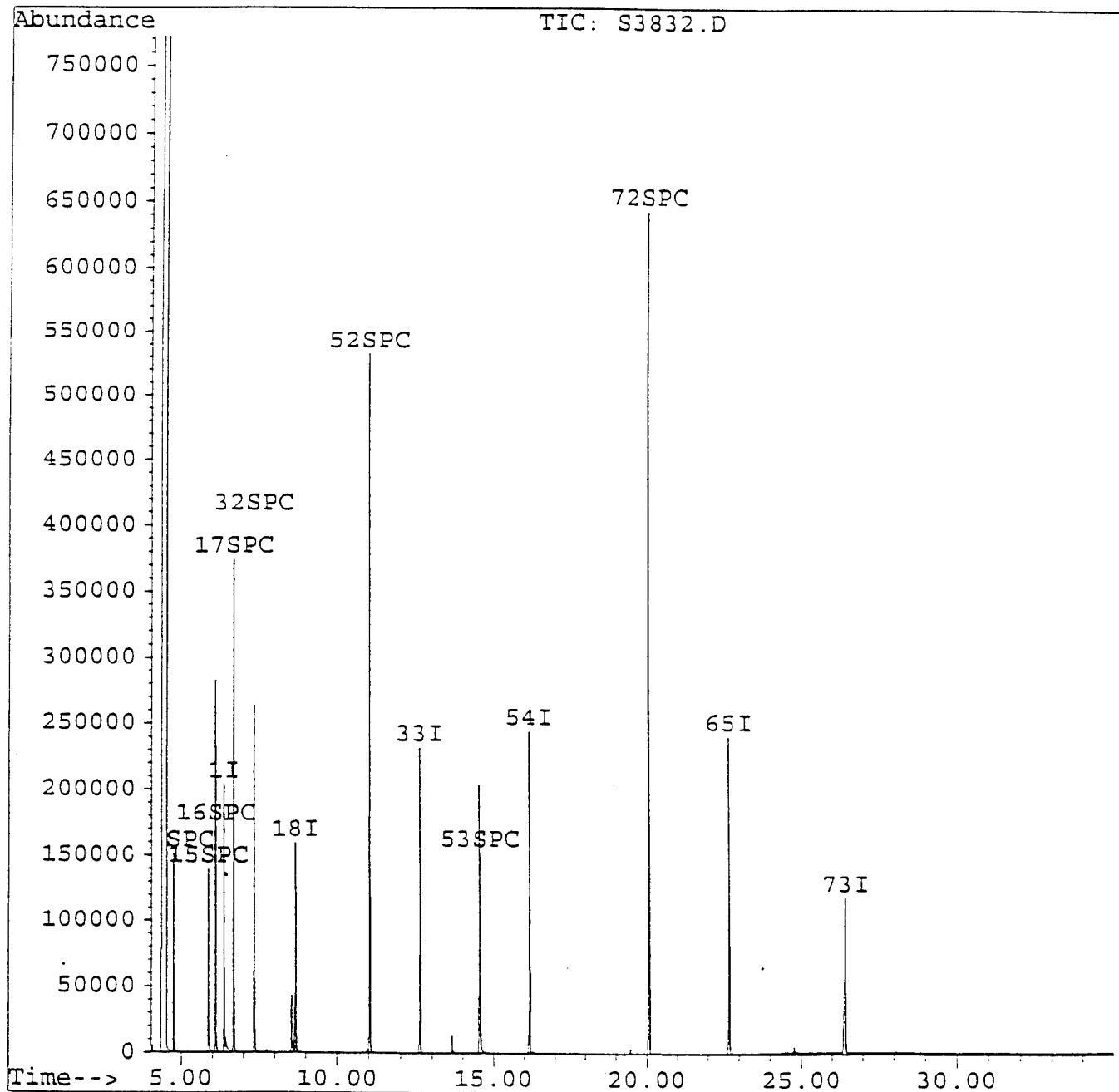
000075

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3832.d
Acq On : 12 Apr 95 23:49 pm
Sample : 2350508, FLDBK2,
Misc : 1,,,07-APR-95,1000,1,T8270, WATER
Quant Time: Apr 13 0:24 1995

Vial: 52
Operator: jr
Inst : HPS
Multiplr: 1.00

Method : c:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/8270
Last Update : Wed Apr 12 14:28:15 1995
Response via : Single Level Calibration



000076

Quantitation Report

Data File : c:\hpchem\1\data\0412\s3832.d
 Acq On : 12 Apr 95 23:49 pm
 Sample : 2350508, FLDBK2,
 Misc : 1,, 07-APR-95, 1000, 1, T8270, WATER
 Quant Time: Apr 13 0:24 1995

Vial: 52
 Operator: jr
 Inst : HPS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8270S.M
 Title : 390/ASP/8270
 Last Update : Wed Apr 12 14:28:15 1995
 Response via : Continuing Cal File: c:\hpchem\1\data\0412\s3818.d

| Internal Standards | R.T. | Scan | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-D4 | 6.38 | 136 | 34077 | 20.00 | | 0.02 |
| 18) Naphthalene-D8 | 8.67 | 268 | 110705 | 20.00 | | 0.00 |
| 33) Acenaphthene-d10 | 12.62 | 496 | 77319 | 20.00 | | 0.02 |
| 54) Phenanthrene-D10 | 16.17 | 701 | 140540 | 20.00 | | 0.02 |
| 65) Chrysene-D12 | 22.70 | 1078 | 141692 | 20.00 | | 0.00 |
| 73) Perylene-D12 | 26.42 | 1293 | 132932 | 20.00 | | 0.03 |

| System Monitoring Compounds | R.T. | Scan | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 14) 2-Fluorophenol | 4.77 | 43 | 38985 | 31.04 | ug/L | 41.38% |
| 15) Phenol-d5 | 5.88 | 107 | 40591 | 21.87 | ug/L | 29.16% |
| 16) 2-Chlorophenol-d4 | 6.12 | 121 | 107578 | 47.71 | ug/L | 63.61% |
| 17) 1,2-Dichlorobenzene-d4 | 6.69 | 154 | 94073 | 32.97 | ug/L | 65.95% |
| 32) Nitrobenzene-d5 | 7.35 | 192 | 98686 | 37.92 | ug/L | 75.83% |
| 52) 2-Fluorobiphenyl | 11.02 | 404 | 243559 | 38.45 | ug/L | 76.89% |
| 53) 2,4,6-Tribromophenol | 14.56 | 608 | 55388 | 29.82 | ug/L | 39.77% |
| 72) Terphenyl-d14 | 20.10 | 928 | 412277 | 65.24 | ug/L | 130.49% |

Target Compounds Qvalue

000077

John W. - 4/13/95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK47

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: SWB0405A

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3643.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | |
|--|----|---|
| 108-95-2-----Phenol | 10 | U |
| 111-44-4-----bis (2-Chloroethyl) Ether | 10 | U |
| 95-57-8-----2-Chlorophenol | 10 | U |
| 541-73-1-----1,3-Dichlorobenzene | 10 | U |
| 106-46-7-----1,4-Dichlorobenzene | 10 | U |
| 95-50-1-----1,2-Dichlorobenzene | 10 | U |
| 95-48-7-----2-Methylphenol | 10 | U |
| 108-60-1-----2,2'-oxybis (1-Chloropropane) | 10 | U |
| 106-44-5-----4-Methylphenol | 10 | U |
| 621-64-7-----N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1-----Hexachloroethane | 10 | U |
| 98-95-3-----Nitrobenzene | 10 | U |
| 78-59-1-----Isophorone | 10 | U |
| 88-75-5-----2-Nitrophenol | 10 | U |
| 105-67-9-----2,4-Dimethylphenol | 10 | U |
| 120-83-2-----2,4-Dichlorophenol | 10 | U |
| 120-82-1-----1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3-----Naphthalene | 10 | U |
| 106-47-8-----4-Chloroaniline | 10 | U |
| 87-68-3-----Hexachlorobutadiene | 10 | U |
| 111-91-1-----bis (2-Chloroethoxy) methane | 10 | U |
| 59-50-7-----4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6-----2-Methylnaphthalene | 10 | U |
| 77-47-4-----Hexachlorocyclopentadiene | 10 | U |
| 88-06-2-----2,4,6-Trichlorophenol | 10 | U |
| 95-95-4-----2,4,5-Trichlorophenol | 50 | U |
| 91-58-7-----2-Chloronaphthalene | 10 | U |
| 88-74-4-----2-Nitroaniline | 50 | U |
| 131-11-3-----Dimethylphthalate | 10 | U |
| 208-96-8-----Acenaphthylene | 10 | U |
| 606-20-2-----2,6-Dinitrotoluene | 10 | U |
| 99-09-2-----3-Nitroaniline | 50 | U |
| 83-32-9-----Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK47

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: SWB0405A

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: R3643.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/06/95

GPC Cleanup: (Y/N) N pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | |
|--|----|---|
| 51-28-5-----2,4-Dinitrophenol | 50 | U |
| 100-02-7-----4-Nitrophenol | 50 | U |
| 132-64-9-----Dibenzofuran | 10 | U |
| 121-14-2-----2,4-Dinitrotoluene | 10 | U |
| 84-66-2-----Diethylphthalate | 10 | U |
| 7005-72-3-----4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7-----Fluorene | 10 | U |
| 100-01-6-----4-Nitroaniline | 50 | U |
| 534-52-1-----4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6-----N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3-----4-Bromophenyl-phenylether | 10 | U |
| 118-74-1-----Hexachlorobenzene | 10 | U |
| 87-86-5-----Pentachlorophenol | 50 | U |
| 85-01-8-----Phenanthrene | 10 | U |
| 120-12-7-----Anthracene | 10 | U |
| 86-74-8-----Carbazole | 10 | U |
| 84-74-2-----Di-n-butylphthalate | 10 | U |
| 206-44-0-----Fluoranthene | 10 | U |
| 129-00-0-----Pyrene | 10 | U |
| 85-68-7-----Butylbenzylphthalate | 10 | U |
| 91-94-1-----3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3-----Benzo(a)anthracene | 10 | U |
| 218-01-9-----Chrysene | 10 | U |
| 117-81-7-----bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0-----Di-n-octylphthalate | 10 | U |
| 205-99-2-----Benzo(b)fluoranthene | 10 | U |
| 207-08-9-----Benzo(k)fluoranthene | 10 | U |
| 50-32-8-----Benzo(a)pyrene | 10 | U |
| 193-39-5-----Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3-----Dibenz(a,h)anthracene | 10 | U |
| 191-24-2-----Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SW846 METHOD 8270A

000079

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK54

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: WB0405B

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3732.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------------|------------------------------|---|---|
| 108-95-2----- | Phenol | 330 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 330 | U |
| 95-57-8----- | 2-Chlorophenol | 330 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 330 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 330 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 330 | U |
| 95-48-7----- | 2-Methylphenol | 330 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 106-44-5----- | 4-Methylphenol | 330 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 330 | U |
| 67-72-1----- | Hexachloroethane | 330 | U |
| 98-95-3----- | Nitrobenzene | 330 | U |
| 78-59-1----- | Isophorone | 330 | U |
| 88-75-5----- | 2-Nitrophenol | 330 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 330 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 330 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3----- | Naphthalene | 330 | U |
| 106-47-8----- | 4-Chloroaniline | 330 | U |
| 87-68-3----- | Hexachlorobutadiene | 330 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 330 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6----- | 2-Methylnaphthalene | 330 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 330 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 330 | U |
| 208-96-8----- | Acenaphthylene | 330 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 330 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 330 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK54

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: WB0405B

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: R3732.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/05/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|----------------|----------------------------|------|---|
| 51-28-5----- | 2,4-Dinitrophenol | 1700 | U |
| 100-02-7----- | 4-Nitrophenol | 1700 | U |
| 132-64-9----- | Dibenzofuran | 330 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 330 | U |
| 84-66-2----- | Diethylphthalate | 330 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7----- | Fluorene | 330 | U |
| 100-01-6----- | 4-Nitroaniline | 1700 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1----- | Hexachlorobenzene | 330 | U |
| 87-86-5----- | Pentachlorophenol | 1700 | U |
| 85-01-8----- | Phenanthrene | 330 | U |
| 120-12-7----- | Anthracene | 330 | U |
| 86-74-8----- | Carbazole | 330 | U |
| 84-74-2----- | Di-n-butylphthalate | 330 | U |
| 206-44-0----- | Fluoranthene | 330 | U |
| 129-00-0----- | Pyrene | 330 | U |
| 85-68-7----- | Butylbenzylphthalate | 330 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 670 | U |
| 56-55-3----- | Benzo(a)anthracene | 330 | U |
| 218-01-9----- | Chrysene | 330 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 330 | U |
| 117-84-0----- | Di-n-octylphthalate | 330 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 330 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 330 | U |
| 50-32-8----- | Benzo(a)pyrene | 330 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 330 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK91

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: SB0406A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3823.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N

pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | | |
|---------------|------------------------------|------|---|
| 108-95-2----- | Phenol | 330 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 330 | U |
| 95-57-8----- | 2-Chlorophenol | 330 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 330 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 330 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 330 | U |
| 95-48-7----- | 2-Methylphenol | 330 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 330 | U |
| 106-44-5----- | 4-Methylphenol | 330 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 330 | U |
| 67-72-1----- | Hexachloroethane | 330 | U |
| 98-95-3----- | Nitrobenzene | 330 | U |
| 78-59-1----- | Isophorone | 330 | U |
| 88-75-5----- | 2-Nitrophenol | 330 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 330 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 330 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3----- | Naphthalene | 330 | U |
| 106-47-8----- | 4-Chloroaniline | 330 | U |
| 87-68-3----- | Hexachlorobutadiene | 330 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 330 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6----- | 2-Methylnaphthalene | 330 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 1700 | U |
| 91-58-7----- | 2-Chloronaphthalene | 330 | U |
| 88-74-4----- | 2-Nitroaniline | 1700 | U |
| 131-11-3----- | Dimethylphthalate | 330 | U |
| 208-96-8----- | Acenaphthylene | 330 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 330 | U |
| 99-09-2----- | 3-Nitroaniline | 1700 | U |
| 83-32-9----- | Acenaphthene | 330 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK91

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) SOIL

Lab Sample ID: SB0406A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3823.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/06/95

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 04/12/95

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

| | | | |
|---------|----------|---|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---------|----------|---|---|

| | | |
|--|------|---|
| 51-28-5-----2,4-Dinitrophenol | 1700 | U |
| 100-02-7-----4-Nitrophenol | 1700 | U |
| 132-64-9-----Dibenzofuran | 330 | U |
| 121-14-2-----2,4-Dinitrotoluene | 330 | U |
| 84-66-2-----Diethylphthalate | 330 | U |
| 7005-72-3-----4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7-----Fluorene | 330 | U |
| 100-01-6-----4-Nitroaniline | 1700 | U |
| 534-52-1-----4,6-Dinitro-2-methylphenol | 1700 | U |
| 86-30-6-----N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3-----4-Bromophenyl-phenylether | 330 | U |
| 118-74-1-----Hexachlorobenzene | 330 | U |
| 87-86-5-----Pentachlorophenol | 1700 | U |
| 85-01-8-----Phenanthrene | 330 | U |
| 120-12-7-----Anthracene | 330 | U |
| 86-74-8-----Carbazole | 330 | U |
| 84-74-2-----Di-n-butylphthalate | 330 | U |
| 206-44-0-----Fluoranthene | 330 | U |
| 129-00-0-----Pyrene | 330 | U |
| 85-68-7-----Butylbenzylphthalate | 330 | U |
| 91-94-1-----3,3'-Dichlorobenzidine | 670 | U |
| 56-55-3-----Benzo(a)anthracene | 330 | U |
| 218-01-9-----Chrysene | 330 | U |
| 117-81-7-----bis(2-Ethylhexyl)phthalate | 330 | U |
| 117-84-0-----Di-n-octylphthalate | 330 | U |
| 205-99-2-----Benzo(b)fluoranthene | 330 | U |
| 207-08-9-----Benzo(k)fluoranthene | 330 | U |
| 50-32-8-----Benzo(a)pyrene | 330 | U |
| 193-39-5-----Indeno(1,2,3-cd)pyrene | 330 | U |
| 53-70-3-----Dibenz(a,h)anthracene | 330 | U |
| 191-24-2-----Benzo(g,h,i)perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK92

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: WB0407A

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3843.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 5.0

Dilution Factor: 1.0

| | | | |
|---------|----------|--|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---------|----------|--|---|

| | | | |
|---------------|------------------------------|----|---|
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | bis(2-Chloroethyl) Ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-oxybis(1-Chloropropane) | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 111-91-1----- | bis(2-Chloroethoxy) methane | 10 | U |
| 59-50-7----- | 4-Chloro-3-Methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 50 | U |
| 131-11-3----- | Dimethylphthalate | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 50 | U |
| 83-32-9----- | Acenaphthene | 10 | U |

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK92

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix: (soil/water) WATER

Lab Sample ID: WB0407A

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3843.D

Level: (low/med) LOW

Date Received: 00/00/00

% Moisture: not dec. 0 dec.

Date Extracted: 04/07/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 04/13/95

GPC Cleanup: (Y/N) N pH: 5.0

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|----------------------------|----|---|
| 51-28-5----- | 2,4-Dinitrophenol | 50 | U |
| 100-02-7----- | 4-Nitrophenol | 50 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethylphthalate | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 50 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6----- | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3----- | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 87-86-5----- | Pentachlorophenol | 50 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butylphthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butylbenzylphthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3----- | Benzo(a)anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0----- | Di-n-octylphthalate | 10 | U |
| 205-99-2----- | Benzo(b)fluoranthene | 10 | U |
| 207-08-9----- | Benzo(k)fluoranthene | 10 | U |
| 50-32-8----- | Benzo(a)pyrene | 10 | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3----- | Dibenz(a,h)anthracene | 10 | U |
| 191-24-2----- | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|----|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| 01 | SBLK47 | 72 | 68 | 101 | 67 | 71 | 73 | 70 | 62 | 0 |
| 02 | FLDBK1 | 50 | 40* | 138 | 14 | 23 | 48 | 42 | 28 | 1 |
| 03 | EQPBK1 | 37 | 25* | 102 | 6* | 6* | 10 | 13* | 18 | 4 |
| 04 | EQPBK2 | 77 | 72 | 147* | 29 | 60 | 84 | 76 | 58 | 1 |
| 05 | FLDBK2 | 76 | 77 | 130 | 29 | 41 | 40 | 64 | 66 | 0 |
| 06 | SBLK92 | 63 | 65 | 101 | 64 | 70 | 63 | 80 | 58 | 0 |
| 07 | | | | | | | | | | |
| 08 | | | | | | | | | | |
| 09 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 21 | | | | | | | | | | |
| 22 | | | | | | | | | | |
| 23 | | | | | | | | | | |
| 24 | | | | | | | | | | |
| 25 | | | | | | | | | | |
| 26 | | | | | | | | | | |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
 S2 (FBP) = 2-Fluorobiphenyl (43-116)
 S3 (TPH) = Terphenyl-d14 (33-141)
 S4 (PHL) = Phenol-d5 (10- 94)
 S5 (2FP) = 2-Fluorophenol (21-100)
 S6 (TBP) = 2,4,6-Tribromophenol (10-123)
 S7 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Level: (low/med) LOW

| | EPA SAMPLE NO. | S1 (NBZ) # | S2 (FBP) # | S3 (TPH) # | S4 (PHL) # | S5 (2FP) # | S6 (TBP) # | S7 (2CP) # | S8 (DCB) # | TOT OUT |
|----|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| 01 | SBLK91 | 45 | 46 | 89 | 50 | 61 | 49 | 53 | 39 | 0 |
| 02 | 1-23-1 | 56 | 62 | 98 | 61 | 84 | 65 | 67 | 46 | 0 |
| 03 | 1-22-1 | 74 | 77 | 134 | 83 | 110 | 93 | 92 | 58 | 0 |
| 04 | 1-22-1D | 50D | 46D | 62D | 51D | 50D | 36D | 47D | 42D | 0 |
| 05 | 1-19-1 | 42D | 42D | 58D | 46D | 44D | 53D | 45D | 34D | 0 |
| 06 | 1-19-2 | 48D | 47D | 62D | 46D | 44D | 50D | 44D | 35D | 0 |
| 07 | SBLK54 | 76 | 72 | 84 | 63 | 54 | 64 | 63 | 64 | 0 |
| 08 | 1-24-1 | 71 | 77 | 152* | 84 | 99 | 94 | 92 | 60 | 1 |
| 09 | 1-16-1 | 60 | 62 | 72 | 52 | 49 | 51 | 50 | 55 | 0 |
| 10 | 1-16-D | 70 | 70 | 82 | 59 | 55 | 61 | 58 | 62 | 0 |
| 11 | 1-16-2 | 63D | 82D | 121D | 55D | 54D | 46D | 63D | 59D | 0 |
| 12 | 1-17-2 | 68 | 71 | 86 | 58 | 52 | 56 | 61 | 62 | 0 |
| 13 | 1-18-1 | 37D | 87D | 149D | 48D | 33D | 81D | 49D | 34D | 0 |
| 14 | 1-18-2 | 7D | 18D | 25D | 4D | 8D | 10D | 12D | 14D | 0 |
| 15 | 1-20-1 | 47 | 55 | 76 | 46 | 42 | 57 | 47 | 44 | 0 |
| 16 | 1-21-1 | 62 | 66 | 79 | 54 | 48 | 45 | 52 | 57 | 0 |
| 17 | 1-17-1 | 58 | 61 | 73 | 51 | 47 | 50 | 50 | 52 | 0 |
| 18 | 1-17-1MS | 70 | 71 | 83 | 56 | 60 | 56 | 57 | 68 | 0 |
| 19 | 1-17-1MSD | 72D | 105D | 142D | 72D | 69D | 72D | 83D | 71D | 0 |
| 20 | | | | | | | | | | |
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QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl-d14 (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)
 S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Matrix Spike - EPA Sample No.: 1-17-1

Level(low/med) LOW

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC # | QC. LIMITS REC. |
|--------------------------|---------------------------|------------------------------------|--------------------------------|------------------|-----------------------|
| Phenol | 2600 | 0 | 1600 | 62 | 26- 90 |
| 2-Chlorophenol | 2600 | 0 | 1400 | 54 | 25-102 |
| 1,4-Dichlorobenzene | 1700 | 0 | 1100 | 65 | 28-104 |
| N-Nitroso-di-n-prop. (1) | 1700 | 0 | 1300 | 76 | 41-126 |
| 1,2,4-Trichlorobenzene | 1700 | 0 | 1200 | 70 | 38-107 |
| 4-Chloro-3-Methylphenol | 2600 | 0 | 1800 | 69 | 26-103 |
| Acenaphthene | 1700 | 0 | 1200 | 70 | 31-137 |
| 4-Nitrophenol | 2600 | 0 | 1800 | 69 | 11-114 |
| 2,4-Dinitrotoluene | 1700 | 0 | 1200 | 70 | 28- 89 |
| Pentachlorophenol | 2600 | 0 | 330 | 13* | 17-109 |
| Pyrene | 1700 | 0 | 1400 | 82 | 35-142 |

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC # | % RPD # | QC LIMITS RPD | REC. |
|--------------------------|---------------------------|---------------------------------|-------------------|------------|------------------|--------|
| Phenol | 2600 | 2000 | 77 | 22 | 35 | 26- 90 |
| 2-Chlorophenol | 2600 | 2100 | 81 | 40 | 50 | 25-102 |
| 1,4-Dichlorobenzene | 1700 | 1200 | 70 | 7 | 27 | 28-104 |
| N-Nitroso-di-n-prop. (1) | 1700 | 1400 | 82 | 8 | 38 | 41-126 |
| 1,2,4-Trichlorobenzene | 1700 | 1500 | 88 | 23 | 23 | 38-107 |
| 4-Chloro-3-Methylphenol | 2600 | 2000 | 77 | 11 | 33 | 26-103 |
| Acenaphthene | 1700 | 3000 | 176* | 86* | 19 | 31-137 |
| 4-Nitrophenol | 2600 | 2200 | 85 | 21 | 50 | 11-114 |
| 2,4-Dinitrotoluene | 1700 | 1300 | 76 | 8 | 47 | 28- 89 |
| Pentachlorophenol | 2600 | 1500 | 58 | 127* | 47 | 17-109 |
| Pyrene | 1700 | 63000 | **** | 191* | 36 | 35-142 |

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 3 out of 11 outside limits

Spike Recovery: 3 out of 22 outside limits

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Lab File ID: R3635.D

DFTPP Injection Date: 04/06/95

Instrument ID: HPR

DFTPP Injection Time: 1104

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 50.3 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 53.5 |
| 70 | Less than 2.0% of mass 69 | 0.1 (0.1)1 |
| 127 | 40.0 - 60.0% of mass 198 | 56.3 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.5 |
| 275 | 10.0 - 30.0% of mass 198 | 13.9 |
| 365 | Greater than 1.00% of mass 198 | 2.54 |
| 441 | Present, but less than mass 443 | 6.9 |
| 442 | Greater than 40.0% of mass 198 | 46.5 |
| 443 | 17.0 - 23.0% of mass 442 | 8.9 (19.2)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD020 | SSTD020 | R3637.D | 04/06/95 | 1214 |
| 02 | SSTD050 | SSTD050 | R3638.D | 04/06/95 | 1304 |
| 03 | SSTD080 | SSTD080 | R3639.D | 04/06/95 | 1353 |
| 04 | SSTD120 | SSTD120 | R3640.D | 04/06/95 | 1443 |
| 05 | SSTD160 | SSTD160 | R3641.D | 04/06/95 | 1534 |
| 06 | SBLK47 | SWB0405A | R3643.D | 04/06/95 | 1717 |
| 07 | FLDBK1 | 2349012 | R3647.D | 04/06/95 | 2038 |
| 08 | EQPBK1 | 2349013 | R3648.D | 04/06/95 | 2128 |
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Lab File ID: R3720.D

DFTPP Injection Date: 04/12/95

Instrument ID: HPR

DFTPP Injection Time: 1133

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 35.2 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0) 1 |
| 69 | Mass 69 relative abundance | 42.6 |
| 70 | Less than 2.0% of mass 69 | 0.2 (0.5) 1 |
| 127 | 40.0 - 60.0% of mass 198 | 46.7 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 30.0% of mass 198 | 17.3 |
| 365 | Greater than 1.00% of mass 198 | 1.68 |
| 441 | Present, but less than mass 443 | 6.0 |
| 442 | Greater than 40.0% of mass 198 | 40.5 |
| 443 | 17.0 - 23.0% of mass 442 | 7.8 (19.2) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD020 | SSTD020 | R3721.D | 04/12/95 | 1213 |
| 02 | SSTD050 | SSTD050 | R3722.D | 04/12/95 | 1300 |
| 03 | SSTD080 | SSTD080 | R3723.D | 04/12/95 | 1347 |
| 04 | SSTD120 | SSTD120 | R3724.D | 04/12/95 | 1434 |
| 05 | SSTD160 | SSTD160 | R3725.D | 04/12/95 | 1522 |
| 06 | SBLK54 | WB0405B | R3732.D | 04/12/95 | 2129 |
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Lab File ID: R3736.D

DFTPP Injection Date: 04/13/95

Instrument ID: HPR

DFTPP Injection Time: 0034

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 30.2 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 37.6 |
| 70 | Less than 2.0% of mass 69 | 0.2 (0.7)1 |
| 127 | 40.0 - 60.0% of mass 198 | 43.9 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 30.0% of mass 198 | 17.9 |
| 365 | Greater than 1.00% of mass 198 | 1.73 |
| 441 | Present, but less than mass 443 | 6.0 |
| 442 | Greater than 40.0% of mass 198 | 40.3 |
| 443 | 17.0 - 23.0% of mass 442 | 7.9 (19.7)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD050 | SSTD050 | R3737.D | 04/13/95 | 0049 |
| 02 | 1-16-1 | 2349001 | R3738.D | 04/13/95 | 0136 |
| 03 | 1-16-D | 2349002 | R3739.D | 04/13/95 | 0224 |
| 04 | 1-16-2 | 2349003 | R3740.D | 04/13/95 | 0311 |
| 05 | 1-17-2 | 2349007 | R3741.D | 04/13/95 | 0359 |
| 06 | 1-18-1 | 2349008 | R3742.D | 04/13/95 | 0446 |
| 07 | 1-18-2 | 2349009 | R3743.D | 04/13/95 | 0533 |
| 08 | 1-20-1 | 2349010 | R3744.D | 04/13/95 | 0620 |
| 09 | 1-21-1 | 2349011 | R3745.D | 04/13/95 | 0708 |
| 10 | 1-17-1 | 2349004 | R3747.D | 04/13/95 | 0842 |
| 11 | 1-17-1MS | 2349005 | R3748.D | 04/13/95 | 0930 |
| 12 | 1-17-1MSD | 2349006 | R3749.D | 04/13/95 | 1018 |
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.: .

SDG No.: WOR1A

Lab File ID: S3069.D

DFTPP Injection Date: 02/22/95

Instrument ID: HPS

DFTPP Injection Time: 1427

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 37.1 |
| 68 | Less than 2.0% of mass 69 | 0.6 (1.0)1 |
| 69 | Mass 69 relative abundance | 55.6 |
| 70 | Less than 2.0% of mass 69 | 0.3 (0.5)1 |
| 127 | 40.0 - 60.0% of mass 198 | 51.6 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 275 | 10.0 - 30.0% of mass 198 | 21.3 |
| 365 | Greater than 1.00% of mass 198 | 2.92 |
| 441 | Present, but less than mass 443 | 6.9 |
| 442 | Greater than 40.0% of mass 198 | 46.0 |
| 443 | 17.0 - 23.0% of mass 442 | 8.8 (19.2)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD020 | SSTD020 | S3071.D | 02/22/95 | 1529 |
| 02 | SSTD050 | SSTD050 | S3072.D | 02/22/95 | 1613 |
| 03 | SSTD080 | SSTD080 | S3073.D | 02/22/95 | 1703 |
| 04 | SSTD120 | SSTD120 | S3074.D | 02/22/95 | 1746 |
| 05 | SSTD160 | SSTD160 | S3075.D | 02/22/95 | 1832 |
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Lab File ID: S3817.D

DFTPP Injection Date: 04/12/95

Instrument ID: HPS

DFTPP Injection Time: 1327

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 59.5 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 52.2 |
| 70 | Less than 2.0% of mass 69 | 0.0 (0.0)1 |
| 127 | 40.0 - 60.0% of mass 198 | 47.5 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 30.0% of mass 198 | 25.8 |
| 365 | Greater than 1.00% of mass 198 | 5.38 |
| 441 | Present, but less than mass 443 | 10.2 |
| 442 | Greater than 40.0% of mass 198 | 62.9 |
| 443 | 17.0 - 23.0% of mass 442 | 11.8 (18.8)2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD050 | SSTD050 | S3818.D | 04/12/95 | 1341 |
| 02 | SBLK91 | SB0406A | S3823.D | 04/12/95 | 1724 |
| 03 | 1-23-1 | 2350501 | S3824.D | 04/12/95 | 1806 |
| 04 | 1-22-1 | 2350502 | S3825.D | 04/12/95 | 1848 |
| 05 | 1-22-1D | 2350503 | S3826.D | 04/12/95 | 1931 |
| 06 | 1-19-1 | 2350504 | S3827.D | 04/12/95 | 2014 |
| 07 | 1-19-2 | 2350505 | S3828.D | 04/12/95 | 2057 |
| 08 | 1-24-1 | 2350506 | S3829.D | 04/12/95 | 2140 |
| 09 | EQPBK2 | 2350507 | S3831.D | 04/12/95 | 2306 |
| 10 | FLDBK2 | 2350508 | S3832.D | 04/12/95 | 2349 |
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: NYTEST ENV INC

Contract: 9521649

Lab Code: NYTEST

Case No.: 23490

SAS No.:

SDG No.: WOR1A

Lab File ID: S3840.D

DFTPP Injection Date: 04/13/95

Instrument ID: HPS

DFTPP Injection Time: 1153

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 30.0 - 60.0% of mass 198 | 56.3 |
| 68 | Less than 2.0% of mass 69 | 0.0 (0.0) 1 |
| 69 | Mass 69 relative abundance | 52.8 |
| 70 | Less than 2.0% of mass 69 | 0.0 (0.0) 1 |
| 127 | 40.0 - 60.0% of mass 198 | 45.0 |
| 197 | Less than 1.0% of mass 198 | 0.0 |
| 198 | Base peak, 100% relative abundance | 100.0 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 30.0% of mass 198 | 24.9 |
| 365 | Greater than 1.00% of mass 198 | 4.44 |
| 441 | Present, but less than mass 443 | 8.0 |
| 442 | Greater than 40.0% of mass 198 | 54.9 |
| 443 | 17.0 - 23.0% of mass 442 | 10.0 (18.2) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----|-------------------|------------------|----------------|------------------|------------------|
| 01 | SSTD050 | SSTD050 | S3842.D | 04/13/95 | 1251 |
| 02 | SBLK92 | WB0407A | S3843.D | 04/13/95 | 1337 |
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NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

We find as follows :

Log In No : 23505

Results in mg/Kg(dry basis) :

Sample Identification

Water Method Blank
Water Method Detection Limit
Soil Method Blank
Soil Method Detection Limit

| <u>LAB ID</u> | <u>CLIENT ID</u> |
|---------------|------------------|
| 2350501 | 1-23-1 |
| 2350502 | 1-22-1 |
| 2350503 | 1-22-1D |
| 2350504 | 1-19-1 |
| 2350505 | 1-19-2 |
| 2350506 | 1-24-1 |
| 2350507 | EQPBK2 |
| 2350508 | FLDBK2 |

Parameter(s)

Total Petroleum Hydrocarbons

| | |
|------|------|
| 1 U | mg/L |
| 1 | mg/L |
| 10 U | |
| 10 | |
| 80 | |
| 110 | |
| 730 | |
| 340 | |
| 230 | |
| 20 | |
| 1 | mg/L |
| 1 U | mg/L |

U : Below method blank / method reporting limit

000003

QC/QA REPORT

CLIENT : Operational Te

Log In Number : 23490

| PARAMETER | Sample Result | Duplicate Sample Result | % RPD | Sample Result for spike | Spike Added | Spike + Sample Result | % Spike Recovered | Sample for QC from same sample? (dup/spike) |
|-------------------------------------|------------------|-------------------------------|-------|----------------------------------|----------------|-----------------------------|----------------------|--|
| Total Petroleum Hydrocarbons, mg/Kg | 92.4 | 97.5 | 5.4 | 92.4 | 369.0 | 491.2 | 108.1 | YES/YES |
| Total Petroleum Hydrocarbons, mg/L | 4.55 | 4.52 | 0.7 | 1 U | 4.105 | 4.55 | 110.8 | NO/NO |

NC : Non-calculable
NA : Non-Available

E : Above method limit
U : Below method reporting limit

000004

QC/QA REPORT

CLIENT : Operational Te

Log In Number : 23505

| PARAMETER | Sample Result | Duplicate Sample Result | % RPD | Sample Result for spike | Spike Added | Spike + Sample Result | % Spike Recovered | Sample for QC from same sample? (dup/spike) |
|-------------------------------------|------------------|-------------------------------|-------|----------------------------------|----------------|-----------------------------|----------------------|--|
| Total Petroleum Hydrocarbons, mg/Kg | 77.0 | 76.5 | 0.7 | 77.0 | 386.0 | 531.0 | 117.6 | YES/YES |
| Total Petroleum Hydrocarbons, mg/L | 4.55 | 4.52 | 0.7 | 1 U | 4.105 | 4.55 | 110.8 | NO/NO |

NC : Non-calculable
NA : Non-Available

E : Above method limit
U : Below method reporting limit

000005

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PCB DATA

000001

8070PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/12/95

SAMPLE ID: 1-16-1
LAB SAMPLE ID: 2349001
DIL FACTOR: 1.00
% MOISTURE: 5

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 84 U |
| 2 | 11104-28-2 | Aroclor-1221 | 84 U |
| 3 | 11141-16-5 | Aroclor-1232 | 84 U |
| 4 | 53469-21-9 | Aroclor-1242 | 84 U |
| 5 | 12672-29-6 | Aroclor-1248 | 84 U |
| 6 | 11097-69-1 | Aroclor-1254 | 84 U |
| 7 | 11096-82-5 | Aroclor-1260 | 84 U |

000002

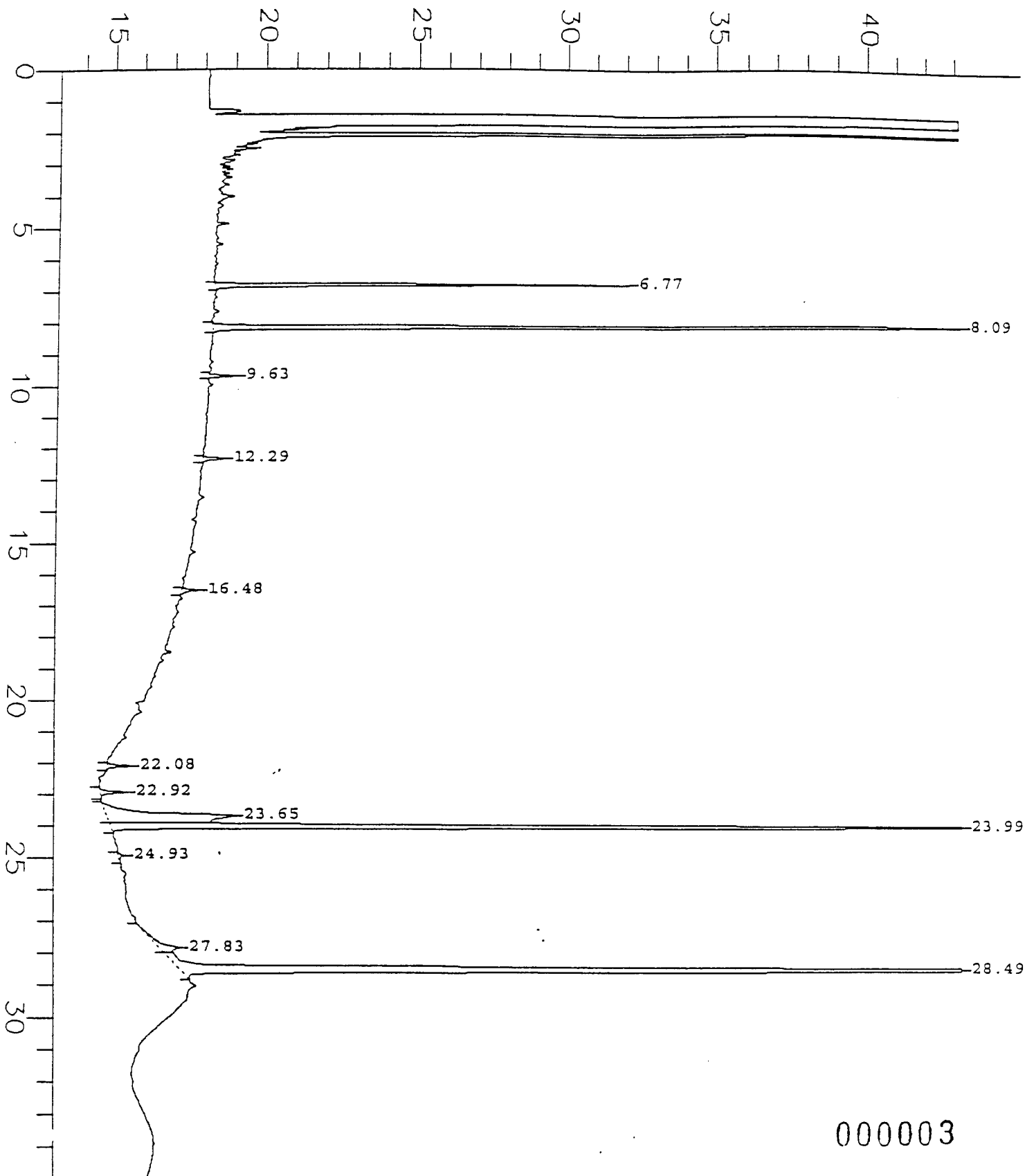
Sample Name : 2349001
FileName : c:\2700\data4\423B032.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 35.00 min
Plot Offset: 13 mV

Sample #: 1-16-1
Date : 4/12/95 10:24
Time of Injection: 4/12/95 09:50
Low Point : 13.12 mV
Plot Scale: 30 mV
High Point : 43.12 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000003

=====

Software Version: 3.2 <16C20>

Sample Name : 2349001

Sample Number: 1-16-1

Operator : PATRICK

Time : 4/12/95 10:24

Study : 4-6-95

Instrument : 970-4:HP-4

Channel : B A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 09:50

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B032.raw

Result File : c:\2700\data4\423B032.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

IP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret. Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|-----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|------------------------|---------------------|
| 1 | 6.77 | 54602 | 13709 | BB | 1000000 | 0.0546 | 0.000 | | | |
| 2 | 8.09 | 242095 | 61424 | BB | 7158473 | 0.0338 | 22.547 | | TCX 68% | |
| 8 | 23.65 | 75557 | 4168 | BV | 1000000 | 0.0756 | 0.000 | | | |
| 9 | 23.99 | 239602 | 45747 | VB | 6073794 | 0.0395 | 26.300 | | DIBUTYLCHLORENDATE 40% | |
| 11 | 27.83 | 9401 | 607 | BV | 1000000 | 0.0094 | 0.000 | | | |
| 12 | 28.49 | 405517 | 52517 | VB | 9385506 | 0.0432 | 28.806 | | DCB 86% | |
| | | 1026773 | 178172 | | | 0.2560 | 77.654 | | | |

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *Y/L 4/13/95* REVIEWED BY *J.F.*

=====

000004

8030PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-16-D
CONC. LEVEL: LOW LAB SAMPLE ID: 2349002
EXTRACTION DATE: 04/06/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 4

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 83 U |
| 2 | 11104-28-2 | Aroclor-1221 | 83 U |
| 3 | 11141-16-5 | Aroclor-1232 | 83 U |
| 4 | 53469-21-9 | Aroclor-1242 | 83 U |
| 5 | 12672-29-6 | Aroclor-1248 | 83 U |
| 6 | 11097-69-1 | Aroclor-1254 | 83 U |
| 7 | 11096-82-5 | Aroclor-1260 | 83 U |

000005

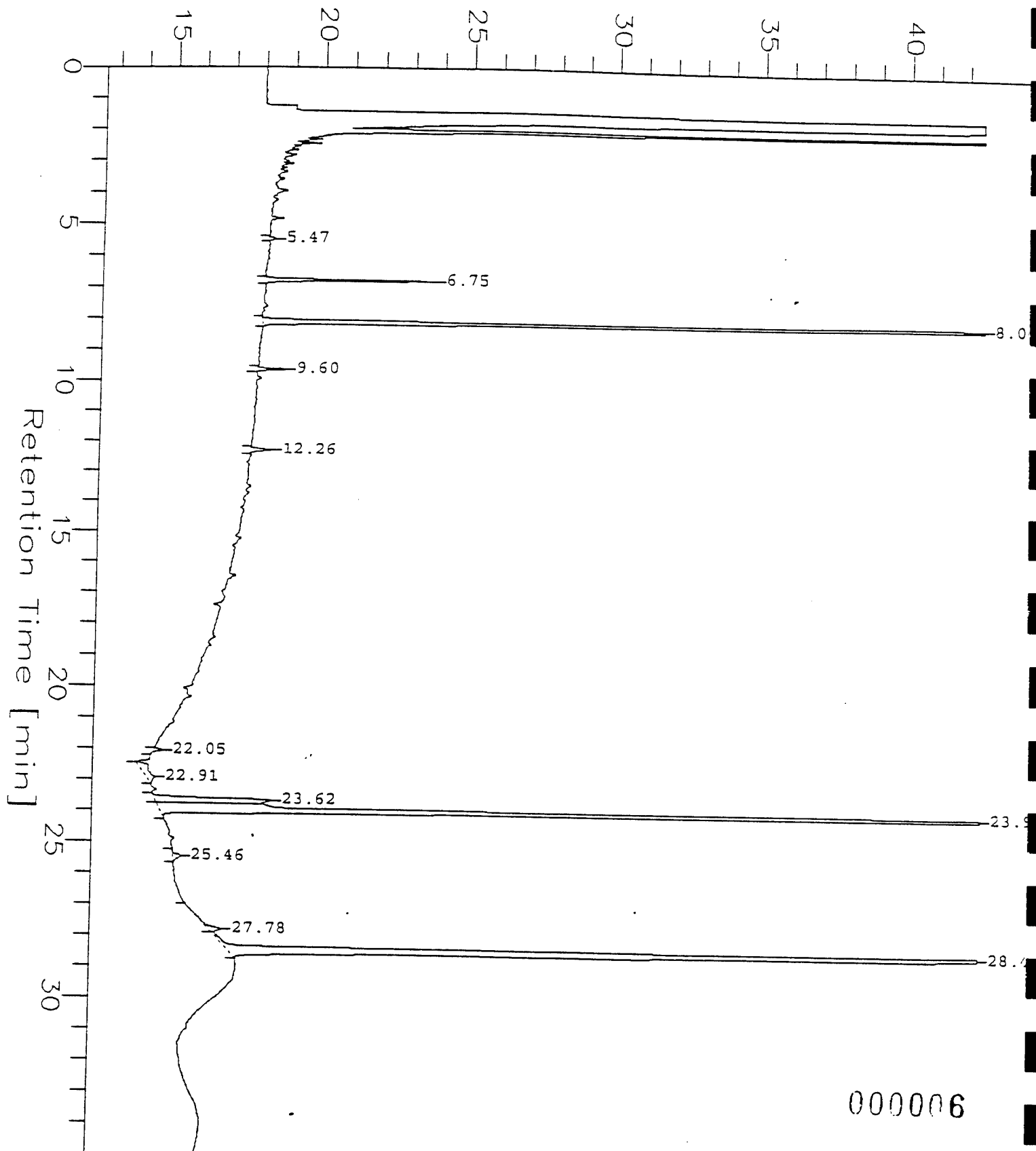
Sample Name : 2349002
 FileName : c:\2700\data4\4238043.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 13 mV

Sample #: 1-16-D
 Date : 4/12/95 18:35
 Time of Injection: 4/12/95 18:00
 Low Point : 12.48 mV
 Plot Scale: 30 mV
 High Point : 42.48 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000006

=====

Software Version: 3.2 <16C20>

Sample Name : 2349002

Time : 4/12/95 18:35

Sample Number: 1-16-D

Study : 4-6-95

Operator : PATRICK

Instrument : 970-4:HP-4

Channel : B A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 18:00

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B043.raw

Result File : c:\2700\data4\423B043.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time (min) | Area (uV-sec) | Height (uV) | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|----------------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|----------------------------|---------------------|
| 2 | 6.75 | 21970 | 5711 | BB | 1000000 | 0.0220 | 0.000 | | | |
| 3 | 8.06 | 265025 | 68113 | BB | 7158474 | 0.0370 | 24.683 | | TCX 74% | |
| 7 | 22.91 | 9041 | 295 | BB | 1000000 | 0.0090 | 0.000 | | | |
| 8 | 23.62 | 39306 | 3962 | BV | 1000000 | 0.0393 | 0.000 | | | |
| 9 | 23.96 | 379246 | 70180 | VB | 6073794 | 0.0624 | 41.629 | | DIBUTYLCHLORENDATE 62% Cul | |
| 12 | 28.44 | 442699 | 58908 | VB | 9385506 | 0.0472 | 31.447 | | DCB 94% | |
| 1157287 207169 | | | | | | 0.2170 | 97.759 | | | |

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY..V6011401 REVIEWED BY..A.

=====

000007

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/12/95

SAMPLE ID: 1-16-2
LAB SAMPLE ID. 2349003
DIL FACTOR: 1.00
% MOISTURE: 9

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 88 U |
| 2 | 11104-28-2 | Aroclor-1221 | 88 U |
| 3 | 11141-16-5 | Aroclor-1232 | 88 U |
| 4 | 53469-21-9 | Aroclor-1242 | 88 U |
| 5 | 12672-29-6 | Aroclor-1248 | 88 U |
| 6 | 11097-69-1 | Aroclor-1254 | 88 U |
| 7 | 11096-82-5 | Aroclor-1260 | 52 J |

000008

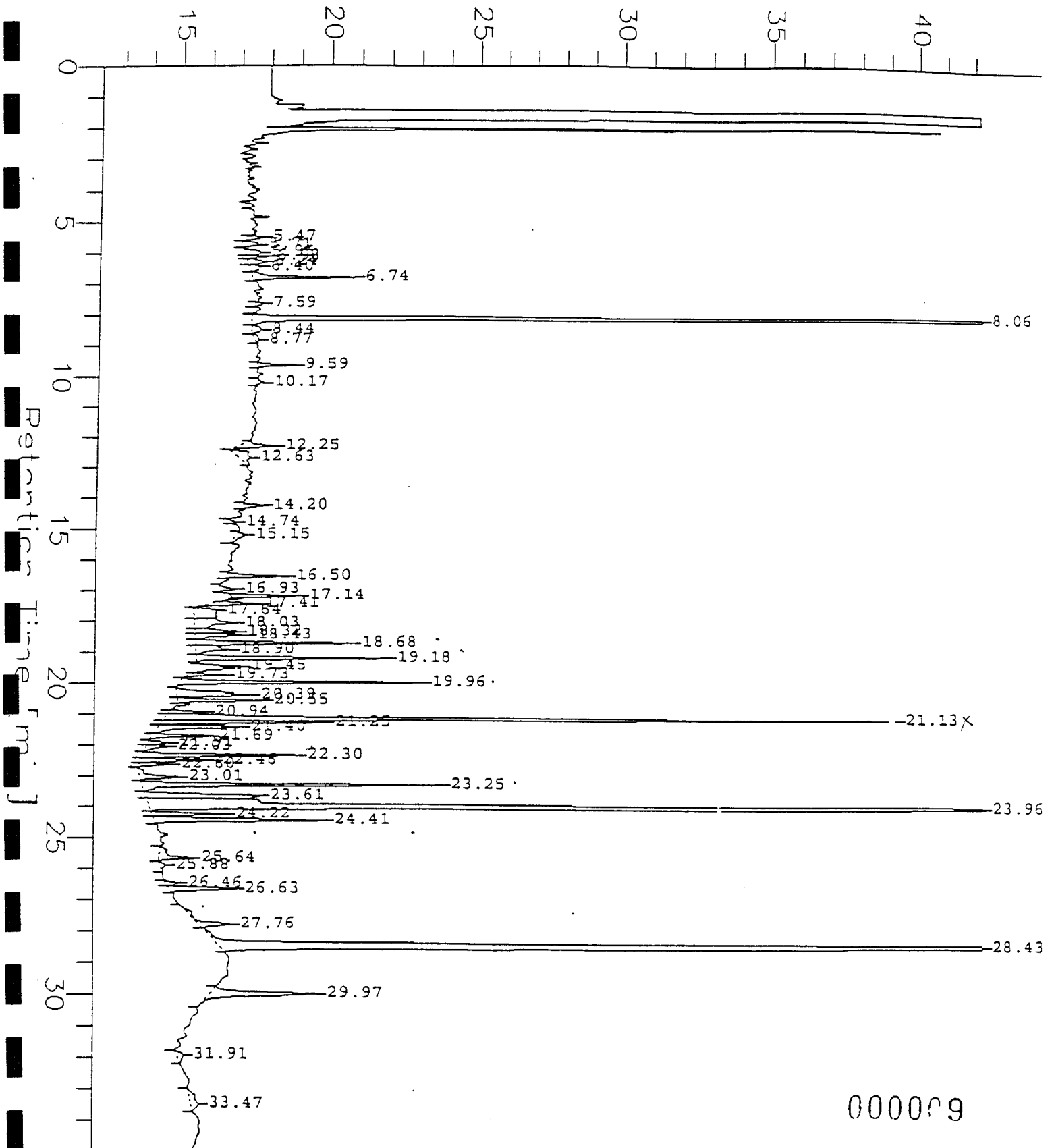
Sample Name : 2349003
 FileName : c:\2700\data4\4238044.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 12 mV

Sample #: 1-16-2
 Date : 4/12/95 19:19
 Time of Injection: 4/12/95 18:45
 Low Point : 12.16 mV
 Plot Scale: 30 mV
 High Point : 42.16 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000009

=====

Software Version: 3.2 <16C20>

Sample Name : 2349003

Sample Number: 1-16-2

Operator : PATRICK

Time : 4/12/95 19:19

Study : 4-6-95

Instrument : 970-4:HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 18:45

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B044.raw

Result File : c:\2700\data4\423B044.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Sample Amount : 30.0000

Area Reject : 5000.00

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|----------------|---------------------|
| 7 | 6.74 | 16311 | 3436 | VB | 1000000 | 0.0163 | 0.000 | | | |
| 9 | 8.06 | 349367 | 89083 | BV | 7158474 | 0.0488 | 32.538 | | | |
| 14 | 12.25 | 7916 | 1251 | BB | 1000000 | 0.0079 | 0.000 | | | |
| 15 | 12.63 | 8954 | 393 | BB | 1000000 | 0.0090 | 0.000 | | | |
| 19 | 16.50 | 9367 | 2004 | BB | 1000000 | 0.0094 | 0.000 | | | |
| 21 | 17.14 | 9250 | 2307 | BB | 1000000 | 0.0093 | 0.000 | | | |
| 22 | 17.41 | 8103 | 1505 | BB | 1000000 | 0.0081 | 0.000 | | | |
| 23 | 17.64 | 13719 | 802 | BV | 1000000 | 0.0137 | 0.000 | | | |
| 24 | 18.03 | 15349 | 1377 | VV | 1000000 | 0.0154 | 0.000 | | | |
| 25 | 18.32 | 9543 | 1444 | VV | 1000000 | 0.0095 | 0.000 | | | |
| 26 | 18.43 | 9970 | 1765 | VV | 1000000 | 0.0100 | 0.000 | | | |
| 27 | 18.68 | 26682 | 5213 | VV | 1000000 | 0.0267 | 0.000 | | | |
| 28 | 18.90 | 10433 | 1152 | VV | 1000000 | 0.0104 | 0.000 | | | |
| 29 | 19.18 | 32059 | 6341 | VB | 1000000 | 0.0321 | 0.000 | | | |
| 32 | 19.96 | 39318 | 8107 | BB | 1000000 | 0.0393 | 0.000 | | | |
| 33 | 20.39 | 21581 | 2473 | BV | 1000000 | 0.0216 | 0.000 | | | |
| 34 | 20.55 | 13123 | 2872 | VB | 1000000 | 0.0131 | 0.000 | | | |
| 35 | 20.94 | 5603 | 1250 | BV | 1000000 | 0.0056 | 0.000 | | | |
| 36 | 21.13 | 125104 | 24733 | VV | 1000000 | 0.1251 | 0.000 | | | |
| 37 | 21.25 | 25108 | 5522 | VV | 1000000 | 0.0251 | 0.000 | | | |
| 38 | 21.40 | 15869 | 2815 | VV | 1000000 | 0.0159 | 0.000 | | | |
| 39 | 21.69 | 8894 | 1958 | VB | 1000000 | 0.0089 | 0.000 | | | |
| 42 | 22.30 | 26345 | 5230 | BV | 1000000 | 0.0264 | 0.000 | | | |
| 43 | 22.46 | 11529 | 2447 | VV | 1000000 | 0.0115 | 0.000 | | | |
| 44 | 22.60 | 5111 | 1110 | VB | 1000000 | 0.0051 | 0.000 | | | |
| 45 | 23.01 | 9078 | 1344 | BB | 1000000 | 0.0091 | 0.000 | | | |
| 46 | 23.25 | 53853 | 10049 | BV | 1000000 | 0.0539 | 0.000 | | | |
| 47 | 23.61 | 33459 | 3867 | VV | 1000000 | 0.0335 | 0.000 | | | |
| 48 | 23.96 | 375440 | 68750 | VV | 6073794 | 0.0618 | 41.211 | | | |
| 49 | 24.22 | 11786 | 2520 | VV | 1000000 | 0.0118 | 0.000 | | | |
| 50 | 24.41 | 36339 | 5728 | VB | 1000000 | 0.0363 | 0.000 | | | |
| 1 | 25.64 | 9238 | 1106 | BB | 1000000 | 0.0092 | 0.000 | | | |
| 54 | 26.63 | 12494 | 2193 | VB | 1000000 | 0.0125 | 0.000 | | | |
| 55 | 27.76 | 9816 | 1072 | BV | 1000000 | 0.0098 | 0.000 | | | |
| 56 | 28.43 | 452764 | 60700 | VB | 9385506 | 0.0482 | 32.162 | | | |
| 57 | 29.97 | 31864 | 3588 | BB | 1000000 | 0.0319 | 0.000 | | | |
| 59 | 33.47 | 6387 | 255 | BB | 1000000 | 0.0064 | 0.000 | | | |

1867126 337760

0.8484

105.911

TCX 98%

DISUBTYLCHLORENDATE 62%

DCB 96%

000010

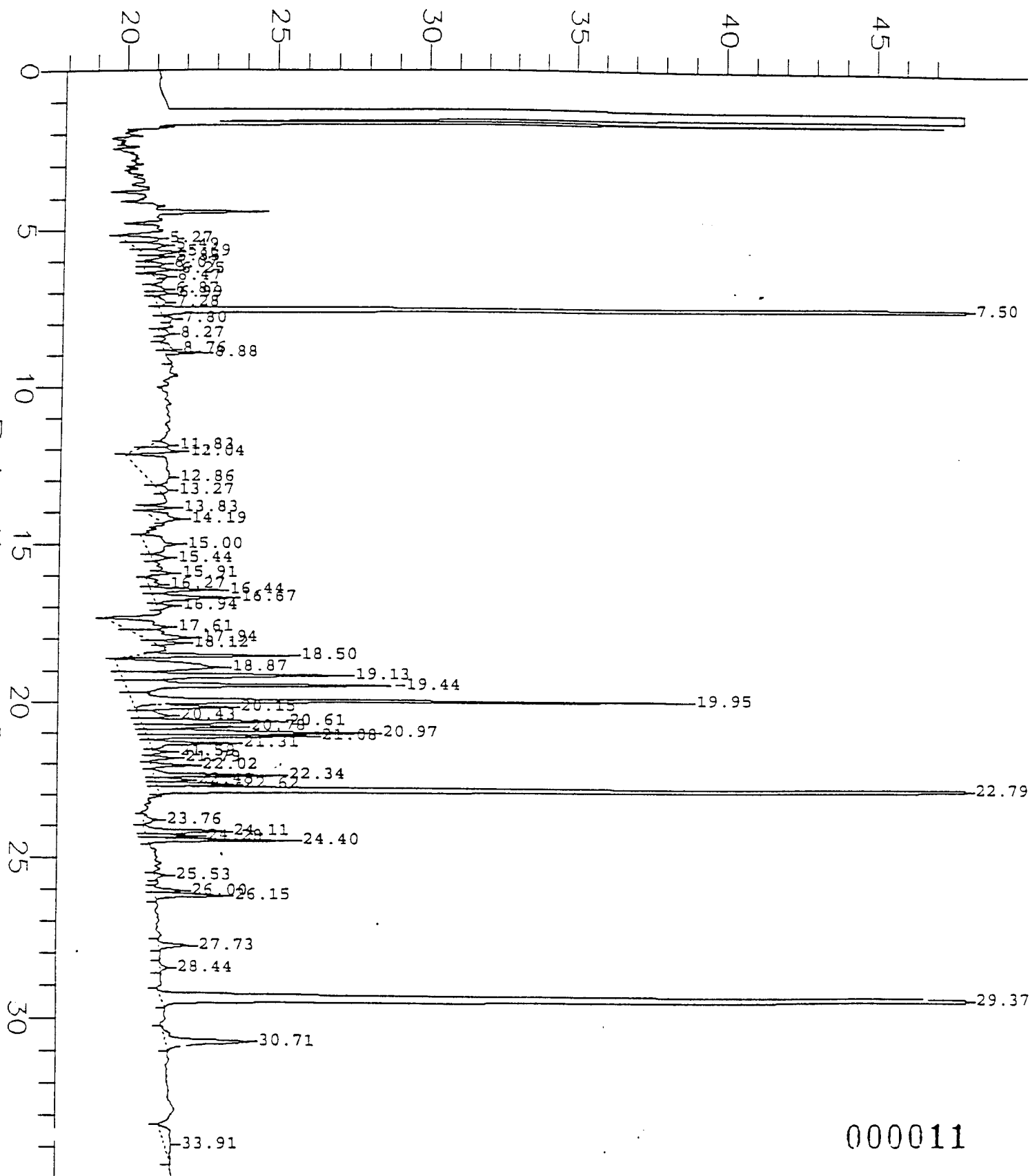
4/12/95

Sample Name : 2349003
FileName : c:\2700\data4\423A044.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 35.00 min
Plot Offset : 18 mV

Sample #: 1-16-2
Date : 4/12/95 19:19
Time of Injection: 4/12/95 18:45
Low Point : 17.90 mV
Plot Scale: 30 mV
Page 1 of 1
High Point : 47.90 mV

1.0ul inj/column Response[mV]



=====

Software Version: 3.2 <16C20>

Sample Name : 2349003

Sample Number: 1-16-2

Operator : PATRICK

Time : 4/12/95 19:19

Study : 4-6-95

Instrument : 970-4:HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : A

A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 18:45

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423A044.raw

Result File : c:\2700\data4\423A044.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\401.prc

Sample File : c:\2700\data\423AN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Sample Amount : 30.0000

Area Reject : 6000.00

Dilution Factor : 1.00

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PEST-PCB REPORT DB-608

=====

HP4-A DB608 30M X 0.53 MM ID 150 C TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|-----------------|------------------|----------------|---------------------|
| 1 | 5.27 | 12760 | 1194 | BV | 1000000 | 0.0128 | 0.000 | | | |
| 2 | 5.49 | 10945 | 1086 | VV | 1000000 | 0.0110 | 0.000 | | | |
| 3 | 5.69 | 8080 | 1160 | VV | 1000000 | 0.0081 | 0.000 | | | |
| 6 | 6.25 | 6066 | 886 | VB | 1000000 | 0.0061 | 0.000 | | | |
| 11 | 7.50 | 422340 | 97483 | VB | 8548369 | 0.0494 | 32.939 | | | |
| 17 | 12.04 | 12912 | 1630 | VB | 1000000 | 0.0129 | 0.000 | | | |
| 18 | 12.86 | 51803 | 775 | BV | 1000000 | 0.0518 | 0.000 | | | |
| 21 | 14.19 | 11378 | 806 | BB | 1000000 | 0.0114 | 0.000 | | | |
| 22 | 15.00 | 21985 | 1066 | BV | 1000000 | 0.0220 | 0.000 | | | |
| 26 | 16.44 | 13225 | 2261 | VV | 1000000 | 0.0132 | 0.000 | | | |
| 27 | 16.67 | 19234 | 2552 | VV | 1000000 | 0.0192 | 0.000 | | | |
| 29 | 17.61 | 24826 | 1492 | BV | 1000000 | 0.0248 | 0.000 | | | |
| 30 | 17.94 | 21528 | 1598 | VV | 1000000 | 0.0215 | 0.000 | | | |
| 32 | 18.50 | 27248 | 5136 | BB | 1000000 | 0.0273 | 0.000 | | | |
| 33 | 18.87 | 53576 | 3413 | BV | 1000000 | 0.0536 | 0.000 | | | |
| 34 | 19.13 | 53688 | 7320 | VV | 1000000 | 0.0537 | 0.000 | | | |
| 35 | 19.44 | 64808 | 8860 | VV | 1000000 | 0.0648 | 0.000 | | | |
| 36 | 19.95 | 105704 | 18398 | VB | 1000000 | 0.1057 | 0.000 | | | |
| 37 | 20.15 | 18918 | 3055 | BV | 1000000 | 0.0189 | 0.000 | | | |
| 38 | 20.43 | 10596 | 1049 | VV | 1000000 | 0.0106 | 0.000 | | | |
| 39 | 20.61 | 31214 | 4558 | VV | 1000000 | 0.0312 | 0.000 | | | |
| 40 | 20.78 | 18474 | 3203 | VV | 1000000 | 0.0185 | 0.000 | | | |
| 41 | 20.97 | 46469 | 7420 | VV | 1000000 | 0.0465 | 0.000 | | | |
| 42 | 21.08 | 28086 | 5393 | VV | 1000000 | 0.0281 | 0.000 | | | |
| 43 | 21.31 | 16553 | 2726 | VB | 1000000 | 0.0166 | 0.000 | | | |
| 46 | 22.02 | 6939 | 1369 | BV | 1000000 | 0.0069 | 0.000 | | | |
| 47 | 22.34 | 21922 | 4115 | VV | 1000000 | 0.0219 | 0.000 | | | |
| 48 | 22.48 | 6198 | 1102 | VV | 1000000 | 0.0062 | 0.000 | | | |
| 49 | 22.62 | 13507 | 2560 | VV | 1000000 | 0.0135 | 0.000 | | | |
| 50 | 22.79 | 435905 | 80745 | VB | 12933000 | 0.0337 | 22.471 | | | |
| 52 | 24.11 | 18089 | 2588 | BV | 1000000 | 0.0181 | 0.000 | | | |
| 3 | 24.28 | 7579 | 660 | VV | 1000000 | 0.0076 | 0.000 | | | |
| 34 | 24.40 | 22963 | 4744 | VB | 1000000 | 0.0230 | 0.000 | | | |
| 57 | 26.15 | 14155 | 2270 | VB | 1000000 | 0.0142 | 0.000 | | | |
| 58 | 27.73 | 6546 | 958 | BB | 1000000 | 0.0066 | 0.000 | | | |
| 60 | 29.37 | 446425 | 52605 | BB | 8791037 | 0.0508 | 33.856 | | | |
| 61 | 30.71 | 28934 | 2710 | BB | 1000000 | 0.0289 | 0.000 | | | |
| 62 | 33.91 | 13168 | 222 | BB | 1000000 | 0.0132 | 0.000 | | | |

2154745 342168

0.9840

89.266

DIBUTYLCHLORENDATE 34%

DCB 102%

000012

4/13/95

Software Version: 3.2 <16C20>

Date: 4/13/95 13:19

Sample Name : 2349003

Data File : c:\2700\data4\423B044.raw Date: 4/12/95 18:45

Sequence File: c:\2700\data4\423.seq Cycle: 44 Channel : B

Instrument : 970-4:HP-4 Rack/Vial: 0/0 Operator: PATRICK

Sample Amount : 30.0000 Dilution Factor : 1.00

PCB WORKSHEET DB-1701

HP4B DB1701 30M X 0.53 MM ID 150 C,275 C

m=47%

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 9 | 8.06 | 349367 | 89083 | 6686064 | 0.0523 | 34.8 | TCX |
| 13 | 10.17 | 1134 | 222 | 161010 | 0.0070 | 4.7 | AROCLOR-1215 |
| 18 | 15.15 | 3283 | 303 | 312547 | 0.0105 | 7.0 | AROCLOR-1215-5 |
| 7 | 18.68 | 26682 | 5213 | 301904 | 0.0884 | 58.9 | AROCLOR-1260 |
| 9 | 19.18 | 32059 | 6341 | 468975 | 0.0684 | 45.6 | AROCLOR-1260-2 |
| 2 | 19.96 | 39318 | 8107 | 554281 | 0.0709 | 47.3 | AROCLOR-1260-3 |
| 36 | 21.13 | 125104 | 24733 | 699411 | 0.1789 | 119.3 | AROCLOR-1260-4 |
| 46 | 23.25 | 53853 | 10049 | 778075 | 0.0692 | 46.1 | AROCLOR-1260-5 |
| 3 | 23.96 | 375440 | 68750 | 5649153 | 0.0665 | 44.3 | DIBUTYLCHLORENDATE |
| 1 | 24.41 | 36339 | 5728 | 602415 | 0.0603 | 40.2 | AROCLOR1260-6 |
| 5 | 28.43 | 452764 | 60700 | 9004643 | 0.0503 | 33.5 | DCB |
| | | 1495344 | 279228 | | 0.7226 | 481.8 | |

X = 48 P/B

= 52 PPB (P/B)

PREPARED BY. */s/ 4/13/95*

REVIEWED BY. *P.*

000013

=====
 Software Version: 3.2 <16C20>
 Date: 4/13/95 13:19
 Sample Name : 2349003
 Data File : c:\2700\data4\423A044.raw Date: 4/12/95 18:45
 Sequence File: c:\2700\data4\423.seq Cycle: 44 Channel : A
 Instrument : 970-4:HP-4 Rack/Vial: 0/0 Operator: PATRICK
 Sample Amount : 30.0000 Dilution Factor : 1.00
 =====

PCB WORKSHEET DB-608

=====
 HP4A DB608 30M X 0.53 MM ID 150 C,275 C
 =====

m=970

| Peak # | Ret Time (min) | Area (uV-sec) | Height (uV) | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 11 | 7.50 | 422340 | 97483 | 8090921 | 0.0522 | 34.8 | TCX |
| 19 | 13.27 | 4337 | 326 | 277217 | 0.0157 | 10.4 | AROCLOR-1016-4 |
| 22 | 15.00 | 21985 | 1066 | 279871 | 0.0786 | 52.4 | AROCLOR-1016-5 |
| 32 | 18.50 | 27248 | 5136 | 319055 | 0.0854 | 56.9 | AROCLOR-1260 |
| 34 | 19.13 | 53688 | 7320 | 572189 | 0.0938 | 62.6 | AROCLOR-1260-2 |
| 35 | 19.44 | 64808 | 8860 | 582291 | 0.1113 | 74.2 | AROCLOR-1260-3 |
| 39 | 20.61 | 31214 | 4558 | 378134 | 0.0826 | 55.0 | AROCLOR-1260-4 |
| 41 | 20.97 | 46469 | 7420 | 526463 | 0.0883 | 58.9 | AROCLOR-1260-5 |
| 50 | 22.79 | 435905 | 80745 | 12287000 | 0.0355 | 23.7 | DIBUTYLCHLORENDATE |
| 54 | 24.40 | 22963 | 4744 | 423843 | 0.0542 | 36.1 | AROCLOR-1260-6 |
| 60 | 29.37 | 446425 | 52605 | 8378933 | 0.0533 | 35.5 | DCB |
| | | | | 1577381 | 270262 | 0.7507 | 500.5 |

LO/V.

PREPARED BY... *S/W/12/95*

REVIEWED BY... *[Signature]*

000014

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-17-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2349004
EXTRACTION DATE: 04/06/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 3

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 82 U |
| 2 | 11104-28-2 | Aroclor-1221 | 82 U |
| 3 | 11141-16-5 | Aroclor-1232 | 82 U |
| 4 | 53469-21-9 | Aroclor-1242 | 82 U |
| 5 | 12672-29-6 | Aroclor-1248 | 82 U |
| 6 | 11097-69-1 | Aroclor-1254 | 82 U |
| 7 | 11096-82-5 | Aroclor-1260 | 82 U |

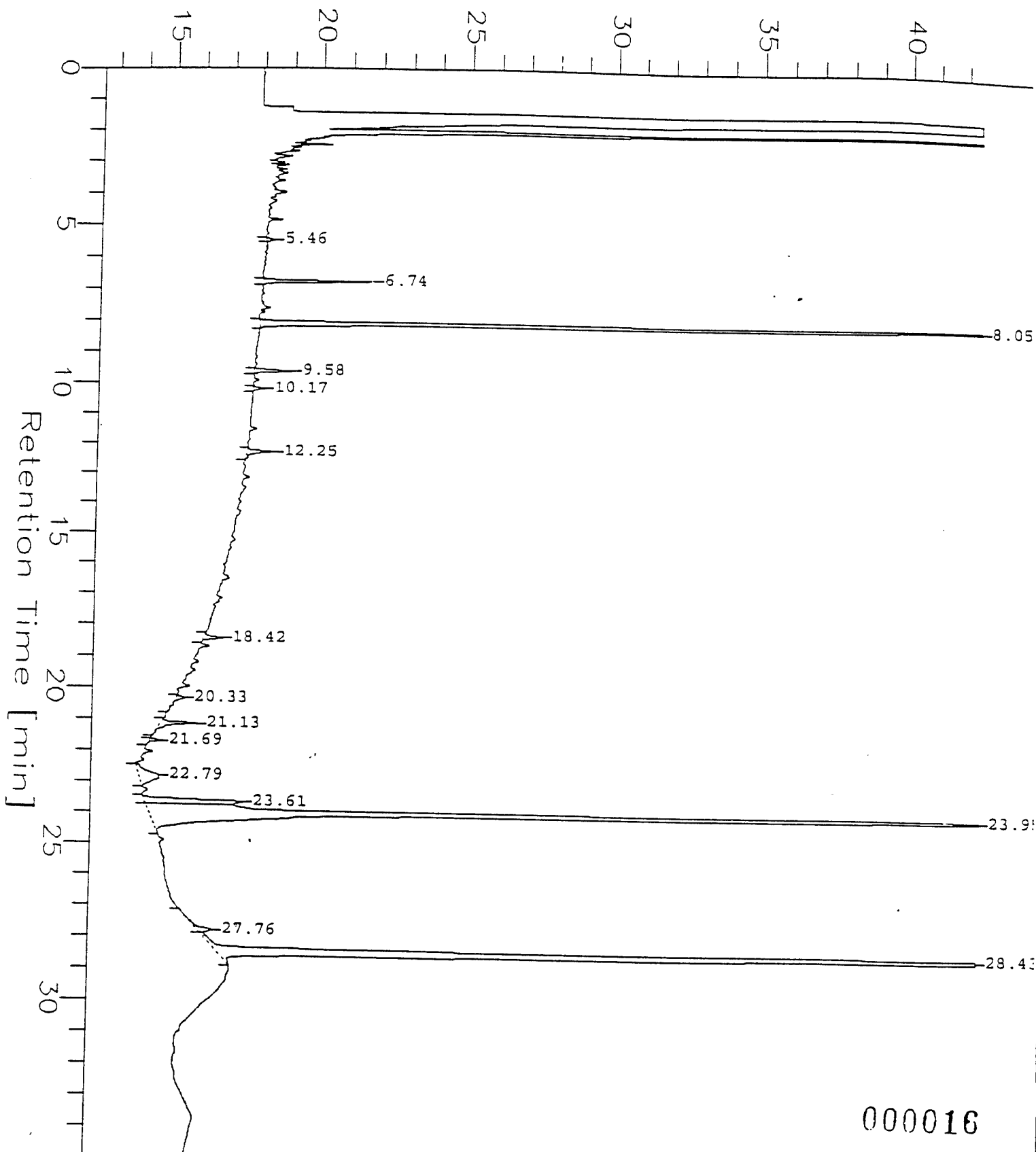
000015

Sample Name : 2349004
FileName : c:\2700\data4\4238045.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 35.00 min
Plot Offset: 12 mV

Sample #: 1-17-1
Date : 4/12/95 20:04
Time of Injection: 4/12/95 19:29
Low Point : 12.44 mV
Plot Scale: 10 mV
Page 1 of 1
High Point : 42.44 mV

1.0ul inj/column Response[mV]



000016

Software Version: 3.2 <16C20>

Sample Name : 2349004

Sample Number: 1-17-1

Operator : PATRICK

Time : 4/12/95 20:04

Study : 4-6-95

Instrument : 970-4:HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 19:29

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B045.raw

Result File : c:\2700\data4\423B045.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

inj. Volume : 1 ul

Sample Amount : 30.0000

Area Reject : 5000.00

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|--------------------|---------------------|
| 2 | 6.74 | 13991 | 3738 | BB | 1000000 | 0.0140 | 0.000 | | | |
| 3 | 8.05 | 295922 | 77593 | BB | 7158474 | 0.0413 | 27.561 | | | |
| 4 | 9.58 | 5844 | 1292 | BB | 1000000 | 0.0058 | 0.000 | | | TCX 83% |
| 5 | 12.25 | 5179 | 897 | BB | 1000000 | 0.0052 | 0.000 | | | |
| 6 | 21.13 | 7501 | 1244 | BB | 1000000 | 0.0075 | 0.000 | | | |
| 7 | 22.79 | 14694 | 706 | BB | 1000000 | 0.0147 | 0.000 | | | |
| 12 | 23.61 | 33114 | 3369 | BV | 1000000 | 0.0331 | 0.000 | | | |
| 8 | 23.95 | 401144 | 59233 | VB | 6073794 | 0.0660 | 44.032 | | DIBUTYLCHLOROSDATE | 66% |
| 9 | 28.43 | 449868 | 60182 | VB | 9385506 | 0.0479 | 31.956 | | DCB | 96% |
| | | 1227255 | 208254 | | | 0.2356 | 103.549 | | | |

NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. 4/13/95 REVIEWED BY. A.

000017

8010PCE - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/12/95

SAMPLE ID: 1-17-2
LAB SAMPLE ID: 2349007
DIL FACTOR: 1.00
% MOISTURE: 8

| CPD # | CAS Number | PCB COMPOUND | UG/KG (DRY BASIS) |
|-------|------------|--------------|----------------------|
| 1 | 12674-11-2 | Aroclor-1016 | 87 U |
| 2 | 11104-28-2 | Aroclor-1221 | 87 U |
| 3 | 11141-16-5 | Aroclor-1232 | 87 U |
| 4 | 53469-21-9 | Aroclor-1242 | 87 U |
| 5 | 12672-29-6 | Aroclor-1248 | 87 U |
| 6 | 11097-69-1 | Aroclor-1254 | 87 U |
| 7 | 11096-82-5 | Aroclor-1260 | 87 U |

000018

Sample Name : 2349007

File Name : c:\1700\data4\4238048.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor: -1

End Time : 35.00 min

Plot Offset: 13 mV

Sample #: 1-17-2

Date : 4/12/95 22:17

Time of Injection: 4/12/95 21:42

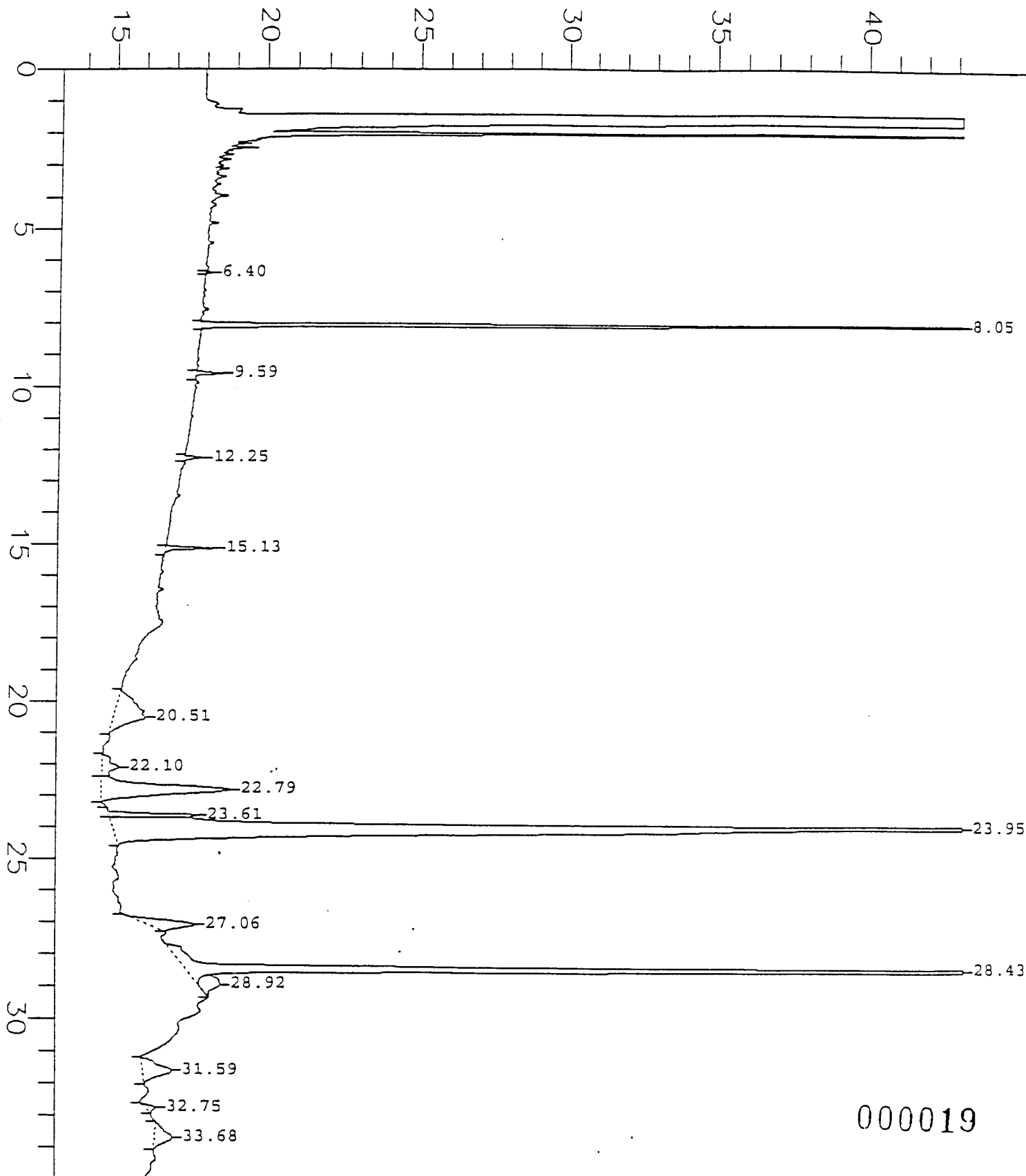
Low Point : 13.13 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 43.13 mV

1.0ul inj/column Response[mV]



000019

Time : 4/12/95 22:17
Study : 4-6-95

Channel : B A/D mV Range : 1000

```
Interface Serial # : 0187572363    Data Acquisition Time: 4/12/95   21:42
Delay Time       : 0.00    min.
End Time        : 35.00   min.
Sampling Rate    : 2.1739   pts/sec
```

```
Raw Data File   : c:\2700\data4\423B048.raw
Result File    : c:\2700\data4\423B048.rst
Instrument File : c:\2700\data\hp4.ins
Process File   : c:\2700\data\402.prc
Sample File    : c:\2700\data\423BN-60.smp
Sequence File  : C:\2700\DATA4\423.seq
```

| | | | |
|---------------|-----------|-----------------|-----------|
| Inj. Volume | : 1 ul | Area Reject | : 5000.00 |
| Sample Amount | : 30.0000 | Dilution Factor | : 1.00 |

PEST-PCB REPORT DB-1701

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|---------------------|----------|
| 2 | 8.05 | 205364 | 53897 | BB | 7158474 | 0.0287 | 19.127 | | TCX | 575/6 |
| 5 | 15.13 | 7490 | 1657 | BB | 1000000 | 0.0075 | 0.000 | | | |
| 6 | 20.51 | 45250 | 1083 | BB | 1000000 | 0.0453 | 0.000 | | | |
| 7 | 22.10 | 12660 | 562 | BV | 1000000 | 0.0127 | 0.000 | | | |
| 8 | 22.79 | 87405 | 4293 | VB | 1000000 | 0.0874 | 0.000 | | | |
| 9 | 23.61 | 21471 | 2924 | BV | 1000000 | 0.0215 | 0.000 | | | |
| 10 | 23.95 | 683929 | 69100 | VB | 6073794 | 0.1126 | 75.073 | | DISBUTYLCHLORENDATE | 1137/6 |
| 11 | 27.06 | 25195 | 1585 | BB | 1000000 | 0.0252 | 0.000 | | | |
| 12 | 28.43 | 378542 | 48124 | BB | 9385506 | 0.0403 | 26.890 | | DCB | 318/6 |
| 13 | 28.92 | 16672 | 707 | BB | 1000000 | 0.0167 | 0.000 | | | |
| 14 | 31.59 | 24581 | 976 | BB | 1000000 | 0.0246 | 0.000 | | | |
| 16 | 33.68 | 15460 | 597 | BB | 1000000 | 0.0155 | 0.000 | | | |
| | | 1524020 | 185504 | | | 0.4378 | 121.089 | | | |

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: *12-12-95* REVIEWED BY: *X*

000020

8090PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-18-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2349008
EXTRACTION DATE: 04/06/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 5

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 84 U |
| 2 | 11104-28-2 | Aroclor-1221 | 84 U |
| 3 | 11141-16-5 | Aroclor-1232 | 84 U |
| 4 | 53469-21-9 | Aroclor-1242 | 84 U |
| 5 | 12672-29-6 | Aroclor-1248 | 84 U |
| 6 | 11097-69-1 | Aroclor-125 | 84 U |
| 7 | 11096-82-5 | Aroclor-1260 | 84 U |

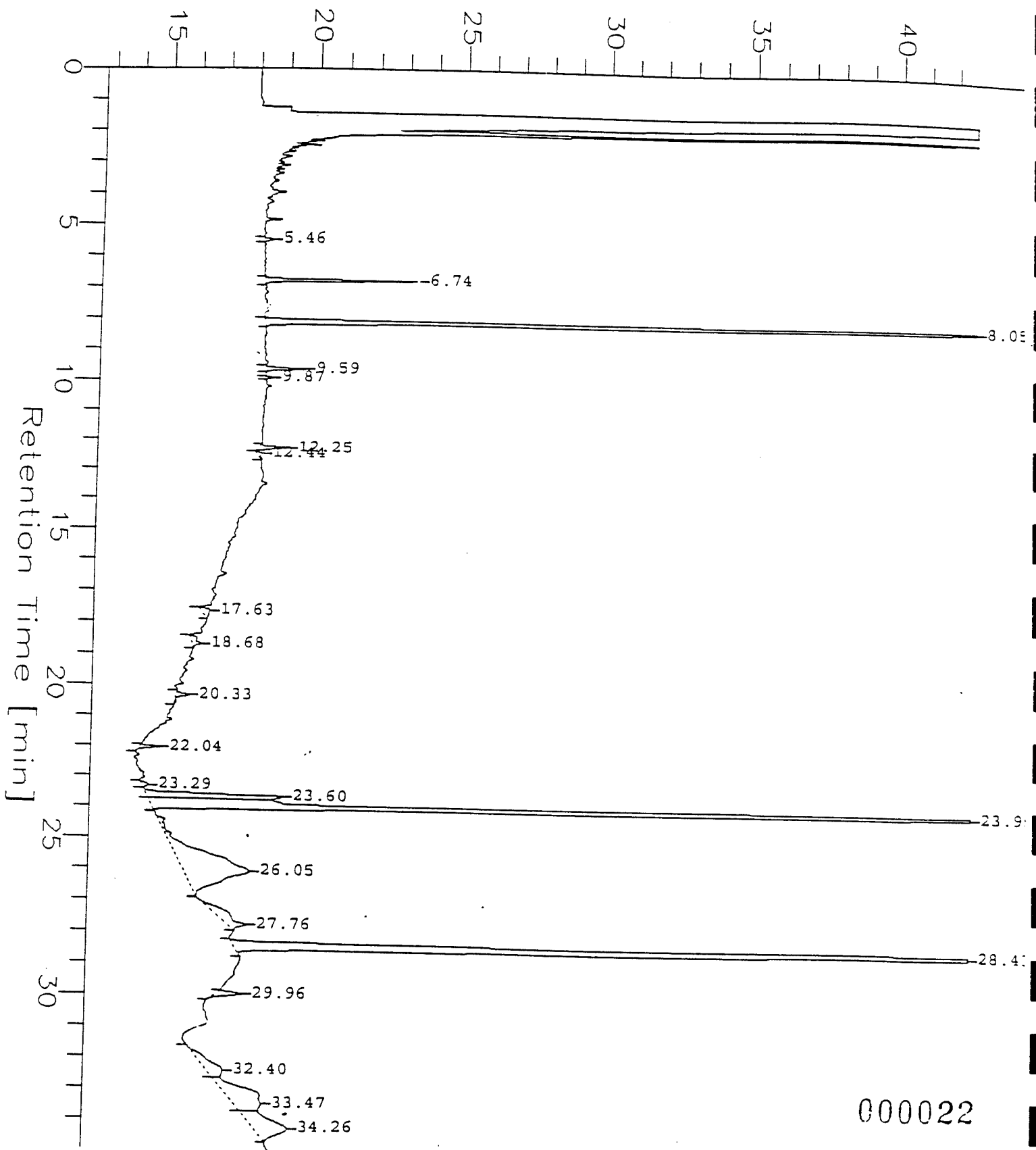
000021

Sample Name : 2349008
 FileName : c:\2700\data4\4238049.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 13 mV

Sample #: 1-18-1
 Date : 4/12/95 23:02
 Time of Injection: 4/12/95 22:27
 Low Point : 12.64 mV
 Plot Scale: 30 mV
 High Point : 42.64 mV

1.0ul inj/column Response[mV]



Software Version: 3.2 <16C20>

Sample Name : 2349008

Sample Number: 1-18-1

Operator : PATRICK

Time : 4/12/95 23:02

Study : 4-6-95

Instrument : 970-4:HP-4

Channel : B A/D mV Range : 1000

AutoSampler : HP 7673A

Back/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 22:27

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B049.raw

Result File : c:\2700\data4\423B049.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Peak | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|------|-------------------|------------------|----------------|----|----------------------|-----------------|---------------------|---------------------|-------------------|------------------------|
| 3 | 6.74 | 19807 | 5185 | BB | 1000000 | 0.0198 | 0.000 | | | |
| | 8.05 | 347968 | 90066 | BB | 7158474 | 0.0486 | 32.408 | | | |
| | 9.59 | 5823 | 1349 | BB | 1000000 | 0.0058 | 0.000 | | | |
| | 12.25 | 5041 | 1005 | BB | 1000000 | 0.0050 | 0.000 | | | |
| | 23.60 | 47346 | 4655 | VV | 1000000 | 0.0474 | 0.000 | | | |
| | 23.95 | 450020 | 83992 | VB | 6073794 | 0.0741 | 49.397 | | | |
| 15 | 26.05 | 127815 | 2261 | BB | 1000000 | 0.1278 | 0.000 | | | |
| | 27.76 | 19505 | 623 | BB | 1000000 | 0.0195 | 0.000 | | | |
| | 28.43 | 469753 | 64480 | BB | 9385506 | 0.0501 | 33.369 | | | |
| | 29.96 | 6980 | 904 | BB | 1000000 | 0.0070 | 0.000 | | | |
| | 32.40 | 19252 | 566 | BV | 1000000 | 0.0193 | 0.000 | | | |
| 20 | 33.47 | 50927 | 939 | VV | 1000000 | 0.0509 | 0.000 | | | |
| 21 | 34.26 | 42752 | 1146 | VB | 1000000 | 0.0428 | 0.000 | | | |
| | | 1612988 | 257171 | | | 0.5180 | 115.174 | | | |

=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: J. 4/14/95 REVIEWED BY: J.

000023

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/13/95

SAMPLE ID: 1-18-2
LAB SAMPLE ID 2349009
DIL FACTOR: 1.00
% MOISTURE: 8

| CPD # | CAS Number | PCB COMPOUND | UG/KG (DRY BASIS) |
|-------|------------|--------------|----------------------|
| 1 | 12674-11-2 | Aroclor-1016 | 87 U |
| 2 | 11104-28-2 | Aroclor-1221 | 87 U |
| 3 | 11141-16-5 | Aroclor-1232 | 87 U |
| 4 | 53469-21-9 | Aroclor-1242 | 87 U |
| 5 | 12672-29-6 | Aroclor-1248 | 87 U |
| 6 | 11097-69-1 | Aroclor-1254 | 87 U |
| 7 | 11096-82-5 | Aroclor-1260 | 85 J |

000024

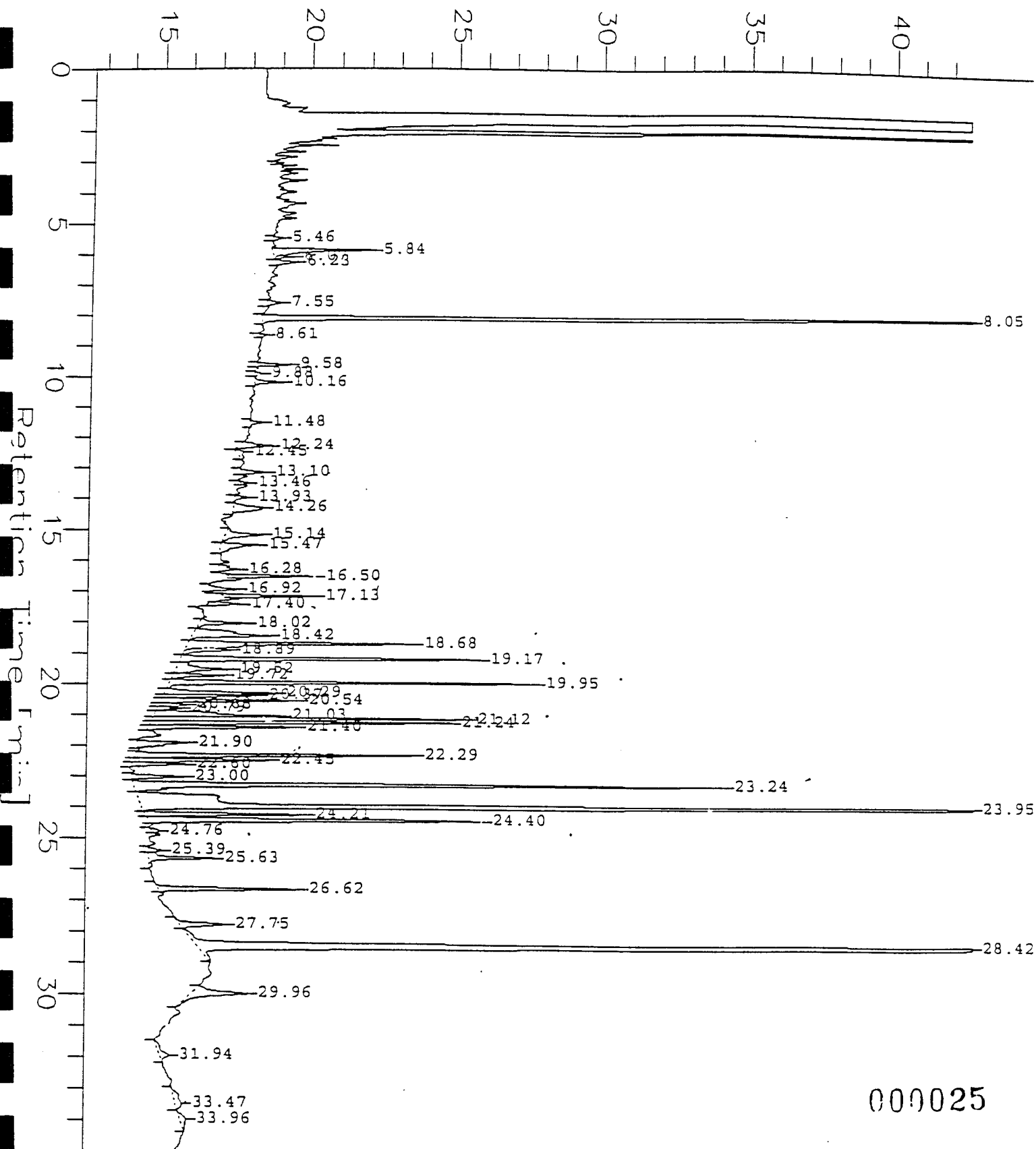
Sample Name : 2349009
FileName : c:\2700\data4\4248002.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 35.00 min
Plot Offset: 13 mV

Sample #: 1-18-2
Date : 4/13/95 14:45
Time of Injection: 4/13/95 14:09
Low Point : 12.56 mV
Plot Scale: 30 mV
High Point : 42.56 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000025

=====
Software Version: 3.2 <16C20>

Sample Name : 2349009

Sample Number: 1-18-2

Operator :

Time : 4/13/95 14:45

Study : 4-6-95

Instrument : 970-4:HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/13/95 14:09

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\424B002.raw

Result File : c:\2700\data4\424B002.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\424.seq

Inj. Volume : 1 ul

Sample Amount : 30.000

Area Reject : 5000.00

Dilution Factor : 1.00

=====
PEST-PCB REPORT DB-1701

=====
HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C
=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|----------------|---------------------|
| 2 | 5.84 | 21911 | 3416 | BB | 1000000 | 0.0219 | 0.000 | | | |
| 6 | 8.05 | 300157 | 78952 | BB | 7158474 | 0.0419 | 27.955 | | | |
| 12 | 12.24 | 7476 | 1106 | BB | 1000000 | 0.0075 | 0.000 | | | |
| 17 | 14.26 | 10272 | 1032 | VB | 1000000 | 0.0103 | 0.000 | | | |
| 18 | 15.14 | 9947 | 1247 | BB | 1000000 | 0.0100 | 0.000 | | | |
| 19 | 15.47 | 10043 | 1271 | BB | 1000000 | 0.0100 | 0.000 | | | |
| 21 | 16.50 | 12034 | 2890 | BB | 1000000 | 0.0120 | 0.000 | | | |
| 23 | 17.13 | 12436 | 3072 | BB | 1000000 | 0.0124 | 0.000 | | | |
| 24 | 17.40 | 5234 | 1125 | BB | 1000000 | 0.0052 | 0.000 | | | |
| 25 | 18.02 | 8526 | 1613 | BV | 1000000 | 0.0085 | 0.000 | | | |
| 26 | 18.42 | 23555 | 2647 | VB | 1000000 | 0.0236 | 0.000 | | | |
| 27 | 18.68 | 45972 | 7625 | BB | 1000000 | 0.0460 | 0.000 | | | |
| 28 | 18.89 | 8116 | 1513 | BV | 1000000 | 0.0081 | 0.000 | | | |
| 29 | 19.17 | 51240 | 10142 | VV | 1000000 | 0.0512 | 0.000 | | | |
| 30 | 19.52 | 15700 | 1816 | VV | 1000000 | 0.0157 | 0.000 | | | |
| 31 | 19.72 | 8649 | 1749 | VV | 1000000 | 0.0087 | 0.000 | | | |
| 32 | 19.95 | 60591 | 12412 | VV | 1000000 | 0.0606 | 0.000 | | | |
| 33 | 20.29 | 21944 | 3791 | VV | 1000000 | 0.0219 | 0.000 | | | |
| 34 | 20.37 | 13588 | 3224 | VV | 1000000 | 0.0136 | 0.000 | | | |
| 35 | 20.54 | 23220 | 4634 | VV | 1000000 | 0.0232 | 0.000 | | | |
| 38 | 21.03 | 30008 | 4340 | VV | 1000000 | 0.0300 | 0.000 | | | |
| 39 | 21.12 | 52145 | 10661 | VV | 1000000 | 0.0522 | 0.000 | | | |
| 40 | 21.24 | 49153 | 10202 | VV | 1000000 | 0.0492 | 0.000 | | | |
| 41 | 21.40 | 23698 | 5020 | VB | 1000000 | 0.0237 | 0.000 | | | |
| 42 | 21.90 | 11787 | 1714 | BB | 1000000 | 0.0118 | 0.000 | | | |
| 43 | 22.29 | 49678 | 9395 | BV | 1000000 | 0.0497 | 0.000 | | | |
| 44 | 22.45 | 21656 | 4647 | VV | 1000000 | 0.0217 | 0.000 | | | |
| 45 | 22.60 | 8497 | 1894 | VB | 1000000 | 0.0085 | 0.000 | | | |
| 46 | 23.00 | 9148 | 1812 | BB | 1000000 | 0.0092 | 0.000 | | | |
| 47 | 23.24 | 109433 | 20152 | BV | 1000000 | 0.1094 | 0.000 | | | |
| 48 | 23.95 | 299603 | 51632 | VB | 6073794 | 0.0493 | 32.886 | | | |
| 49 | 24.21 | 25247 | 398 | BV | 1000000 | 0.0253 | 0.000 | | | |
| 50 | 24.40 | 70377 | 11240 | VB | 1000000 | 0.0704 | 0.000 | | | |
| 53 | 25.63 | 14319 | 2208 | VB | 1000000 | 0.0143 | 0.000 | | | |
| 54 | 26.62 | 27003 | 4756 | BB | 1000000 | 0.0270 | 0.000 | | | |
| 55 | 27.75 | 10268 | 1516 | BV | 1000000 | 0.0103 | 0.000 | | | |
| 56 | 28.42 | 358556 | 48413 | VB | 9385506 | 0.0382 | 25.470 | | | |
| 57 | 29.96 | 20119 | 1890 | BB | 1000000 | 0.0201 | 0.000 | | | |
| 59 | 33.47 | 6265 | 228 | BB | 1000000 | 0.0063 | 0.000 | | | |

TCX 84%

DIBUTYLCHLORENDATE

49%

DCB

76%

000026

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *Y. 10-13/95* REVIEWED BY. *29*

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000027

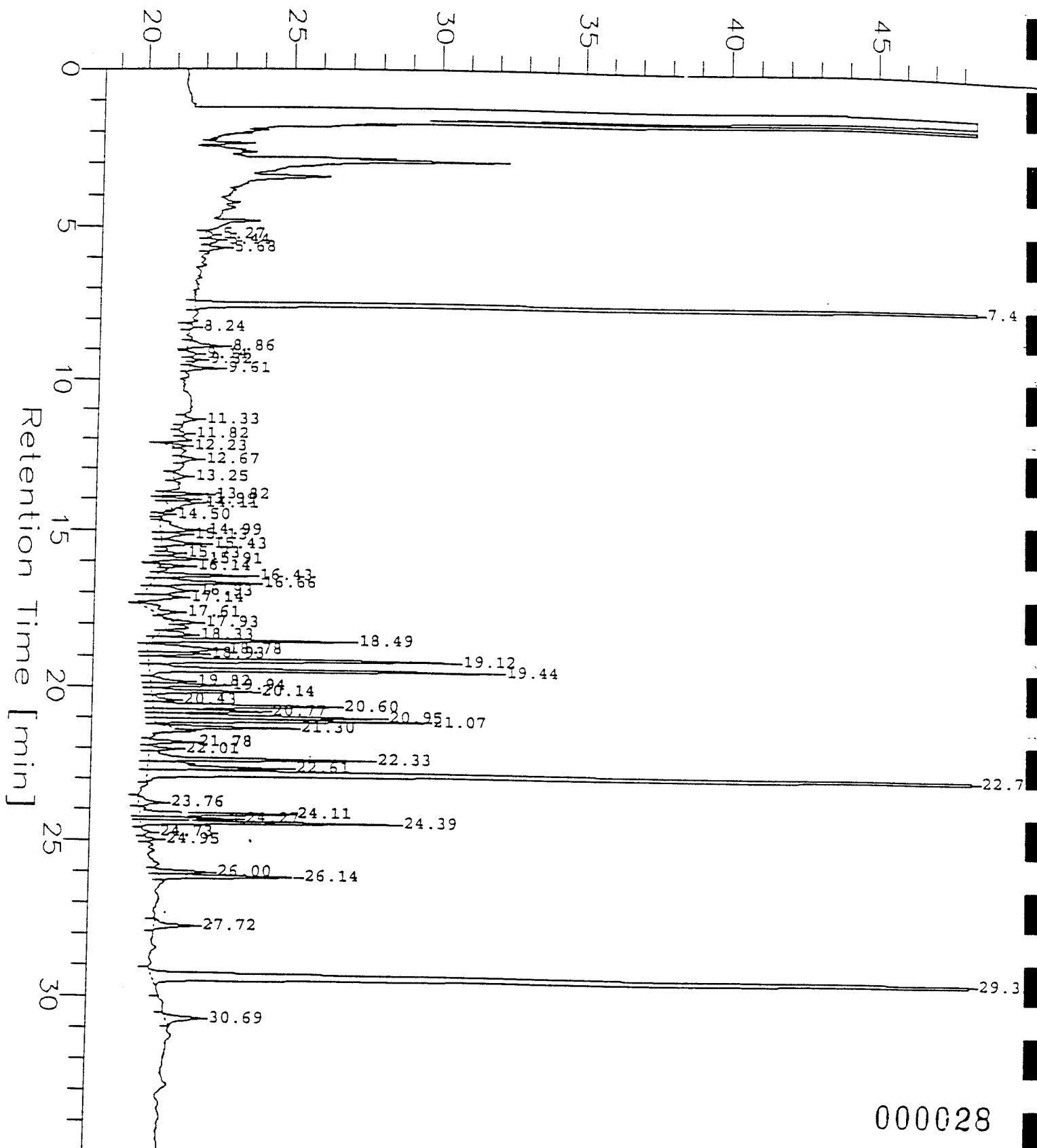
Sample Name : 2349009
FileName : c:\2700\data4\424A002.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 35.00 min
Plot Offset: 18 mV

Sample #: 1-18-2
Date : 4/13/95 14:45
Time of Injection: 4/13/95 14:09
Low Point : 18.45 mV
Plot Scale: 30 mV
High Point : 48.45 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000028

=====

Software Version: 3.2 <16C20>

Sample Name : 2349009

Time : 4/13/95 14:44

Sample Number: 1-18-2

Study : 4-6-95

Operator :

Instrument : 970-4:HP-4

Channel : A A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/13/95 14:09

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\424A002.raw

Result File : c:\2700\data4\424A002.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\401.prc

Sample File : c:\2700\data\423AN-60.smp

Sequence File : C:\2700\DATA4\424.seq

Inj. Volume : 1 ul

Area Reject : 6000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

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PEST-PCB REPORT DB-608

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HP4-A DB608 30M X 0.53 MM ID 150 C TO 275 C

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| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|--------------------------|---------------------|
| 4 | 7.49 | 354812 | 83737 | BB | 8548369 | 0.0415 | 27.672 | | TCX 837/6 | |
| 6 | 8.86 | 7838 | 1194 | BB | 1000000 | 0.0078 | 0.000 | | | |
| 15 | 13.82 | 6973 | 1511 | BB | 1000000 | 0.0070 | 0.000 | | | |
| 17 | 14.11 | 8712 | 993 | VB | 1000000 | 0.0087 | 0.000 | | | |
| 19 | 14.99 | 13692 | 1298 | BV | 1000000 | 0.0137 | 0.000 | | | |
| 21 | 15.43 | 9428 | 1424 | VB | 1000000 | 0.0094 | 0.000 | | | |
| 23 | 15.91 | 8860 | 1506 | VB | 1000000 | 0.0089 | 0.000 | | | |
| 25 | 16.43 | 17052 | 3156 | BV | 1000000 | 0.0171 | 0.000 | | | |
| 26 | 16.66 | 25084 | 3455 | VV | 1000000 | 0.0251 | 0.000 | | | |
| 27 | 16.93 | 16628 | 1504 | VV | 1000000 | 0.0166 | 0.000 | | | |
| 28 | 17.14 | 11863 | 1375 | VB | 1000000 | 0.0119 | 0.000 | | | |
| 29 | 17.61 | 9763 | 782 | BV | 1000000 | 0.0098 | 0.000 | | | |
| 31 | 18.33 | 9370 | 1135 | BV | 1000000 | 0.0094 | 0.000 | | | |
| 32 | 18.49 | 36418 | 6734 | VB | 1000000 | 0.0364 | 0.000 | | | |
| 33 | 18.78 | 25390 | 2453 | BV | 1000000 | 0.0254 | 0.000 | | | |
| 34 | 18.93 | 9920 | 1857 | VV | 1000000 | 0.0099 | 0.000 | | | |
| 35 | 19.12 | 62197 | 10332 | VV | 1000000 | 0.0622 | 0.000 | | | |
| 36 | 19.44 | 64548 | 11787 | VV | 1000000 | 0.0646 | 0.000 | | | |
| 37 | 19.82 | 8514 | 1264 | VV | 1000000 | 0.0085 | 0.000 | | | |
| 38 | 19.94 | 13066 | 2435 | VV | 1000000 | 0.0131 | 0.000 | | | |
| 39 | 20.14 | 18326 | 3421 | VV | 1000000 | 0.0183 | 0.000 | | | |
| 41 | 20.60 | 40075 | 6146 | VV | 1000000 | 0.0401 | 0.000 | | | |
| 42 | 20.77 | 19178 | 3698 | VV | 1000000 | 0.0192 | 0.000 | | | |
| 43 | 20.95 | 47495 | 7596 | VV | 1000000 | 0.0475 | 0.000 | | | |
| 44 | 21.07 | 45957 | 9080 | VB | 1000000 | 0.0460 | 0.000 | | | |
| 45 | 21.30 | 19025 | 4091 | BB | 1000000 | 0.0190 | 0.000 | | | |
| 46 | 21.78 | 7042 | 1349 | BV | 1000000 | 0.0070 | 0.000 | | | |
| 48 | 22.33 | 42733 | 7414 | VV | 1000000 | 0.0427 | 0.000 | | | |
| 49 | 22.61 | 34547 | 4709 | VV | 1000000 | 0.0346 | 0.000 | | | |
| 50 | 22.79 | 366515 | 63909 | VB | 12933000 | 0.0283 | 18.894 | | DIBUTYLCHLORENDATE 287/0 | |
| 51 | 23.76 | 6820 | 782 | BV | 1000000 | 0.0068 | 0.000 | | | |
| 52 | 24.11 | 32483 | 5001 | VV | 1000000 | 0.0325 | 0.000 | | | |
| 53 | 24.27 | 16035 | 3233 | VV | 1000000 | 0.0160 | 0.000 | | | |
| 54 | 24.39 | 42936 | 8570 | VB | 1000000 | 0.0429 | 0.000 | | | |
| 57 | 26.00 | 9453 | 1692 | BV | 1000000 | 0.0095 | 0.000 | | | |
| 58 | 26.14 | 25966 | 4563 | VB | 1000000 | 0.0260 | 0.000 | | | |
| 59 | 27.72 | 9721 | 1307 | BB | 1000000 | 0.0097 | 0.000 | | | |
| 60 | 29.35 | 324140 | 38989 | BB | 8791037 | 0.0369 | 24.582 | | DCB 745 | |
| 61 | 30.69 | 10500 | 1143 | BB | 1000000 | 0.0105 | 0.000 | | | |

000029

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NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *09/1395* REVIEWED BY *61*

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000030

Software Version: 3.2 <16C20>
 Date: 4/13/95 15:12
 Sample Name : 2349009
 Data File : c:\2700\data4\424B002.raw Date: 4/13/95 14:09
 Sequence File: C:\2700\DATA4\424.seq Cycle: 2 Channel : B
 Instrument : 970-4:HP-4 Rack/Vial: 0/0 Operator:
 Sample Amount : 30.0000 Dilution Factor : 1.00

PCB WORKSHEET DB-1701

P4B DB1701 30M X 0.53 MM ID 150 C,275 C

$n1 = 8\%$

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|-----------------|--------------------|
| 6 | 8.05 | 300157 | 78952 | 6686064 | 0.0449 | 29.9 | TCX |
| 0 | 10.16 | 4820 | 980 | 161010 | 0.0299 | 20.0 | AROCLOR-1016 |
| 1 | 11.48 | 1733 | 404 | 356531 | 0.0049 | 3.2 | AROCLOR-1016-2 |
| 4 | 13.10 | 3859 | 819 | 618283 | 0.0062 | 4.2 | AROCLOR-1016-3 |
| 8 | 15.14 | 9947 | 1247 | 312547 | 0.0318 | 21.2 | AROCLOR-1016-5 |
| 27 | 18.68 | 45972 | 7625 | 301904 | 0.1523 | 101.5 | AROCLOR-1260 |
| 9 | 19.17 | 51240 | 10142 | 468975 | 0.1093 | 72.8 | AROCLOR-1260-2 |
| 2 | 19.95 | 60591 | 12412 | 554281 | 0.1093 | 72.9 | AROCLOR-1260-3 |
| 9 | 21.12 | 52145 | 10661 | 699411 | 0.0746 | 49.7 | AROCLOR-1260-4 |
| 7 | 23.24 | 109433 | 20152 | 778075 | 0.1407 | 93.8 | AROCLOR-1260-5 |
| 48 | 23.95 | 299603 | 51632 | 5649152 | 0.0530 | 35.4 | DIBUTYLCHLORENDATE |
| 0 | 24.40 | 70377 | 11240 | 602415 | 0.1168 | 77.9 | AROCLOR1260-6 |
| 5 | 28.42 | 358556 | 48413 | 9004643 | 0.0398 | 26.6 | DCB |
| | | 1368434 | 254678 | | 0.9135 | 609.0 | |

$X = 73 \text{ PPB}$

$= 85 \text{ PPB (PRY)}$

very low concentration
 121748

PREPARED BY *4/13/95*

REVIEWED BY. *X*

000031

=====
 Software Version: 3.2 <16C20>
 Date: 4/13/95 15:12
 Sample Name : 2349009
 Data File : c:\2700\data4\424A002.raw Date: 4/13/95 14:09
 Sequence File: C:\2700\DATA4\424.seq Cycle: 2 Channel : A
 Instrument : 970-4:HP-4 Rack/Vial: 0/0 Operator:
 Sample Amount : 30.0000 Dilution Factor : 1.00
 =====

PCB WORKSHEET DB-608

=====
 HP4A DB608 30M X 0.53 MM ID 150 C, 275 C
 =====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 4 | 7.49 | 354812 | 83737 | 8090921 | 0.0439 | 29.2 | TCX |
| 10 | 11.33 | 2954 | 443 | 442818 | 0.0067 | 4.5 | AROCLOR-1016-2 |
| 13 | 12.67 | 3458 | 501 | 704973 | 0.0049 | 3.3 | AROCLOR-1016-3 |
| 14 | 13.25 | 3495 | 413 | 277217 | 0.0126 | 8.4 | AROCLOR-1016-4 |
| 19 | 14.99 | 13692 | 1298 | 279871 | 0.0489 | 32.6 | AROCLOR-1016-5 |
| 32 | 18.49 | 36418 | 6734 | 319055 | 0.1141 | 76.1 | AROCLOR-1260 |
| 35 | 19.12 | 62197 | 10332 | 572189 | 0.1087 | 72.5 | AROCLOR-1260-2 |
| 36 | 19.44 | 64548 | 11787 | 582291 | 0.1109 | 73.9 | AROCLOR-1260-3 |
| 41 | 20.60 | 40075 | 6146 | 378134 | 0.1060 | 70.7 | AROCLOR-1260-4 |
| 43 | 20.95 | 47495 | 7596 | 526463 | 0.0902 | 60.2 | AROCLOR-1260-5 |
| 50 | 22.79 | 366515 | 63909 | 12287000 | 0.0298 | 19.9 | DIBUTYLCHLORENDATE |
| 54 | 24.39 | 42936 | 8570 | 423843 | 0.1013 | 67.5 | AROCLOR-1260-6 |
| 60 | 29.35 | 324140 | 38989 | 8378933 | 0.0387 | 25.8 | DCB |
| | | 1362734 | 240456 | | 0.8167 | 544.5 | |

=====
 PREPARED BY... / 4/13/95 REVIEWED BY...
 =====

000032

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/13/95

SAMPLE ID: 1-20-1
LAB SAMPLE ID: 2349010
DIL FACTOR: 1.00
% MOISTURE: 10

| | | | UG/KG (DRY BASIS) |
|-------|------------|--------------|----------------------|
| CPD # | CAS Number | PCB COMPOUND | |
| 1 | 12674-11-2 | Aroclor-1016 | 89 U |
| 2 | 11104-28-2 | Aroclor-1221 | 89 U |
| 3 | 11141-16-5 | Aroclor-1232 | 89 U |
| 4 | 53469-21-9 | Aroclor-1242 | 89 U |
| 5 | 12672-29-6 | Aroclor-1248 | 89 U |
| 6 | 11097-69-1 | Aroclor-12 | 89 U |
| 7 | 11096-82-5 | Aroclor-1260 | 89 U |

000033

Sample Name : 2349010

FileName : c:\2700\data4\4248003.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor: -1

Sample #: 1-20-1

Date : 4/13/95 15:56

Time of Injection: 4/13/95 15:20

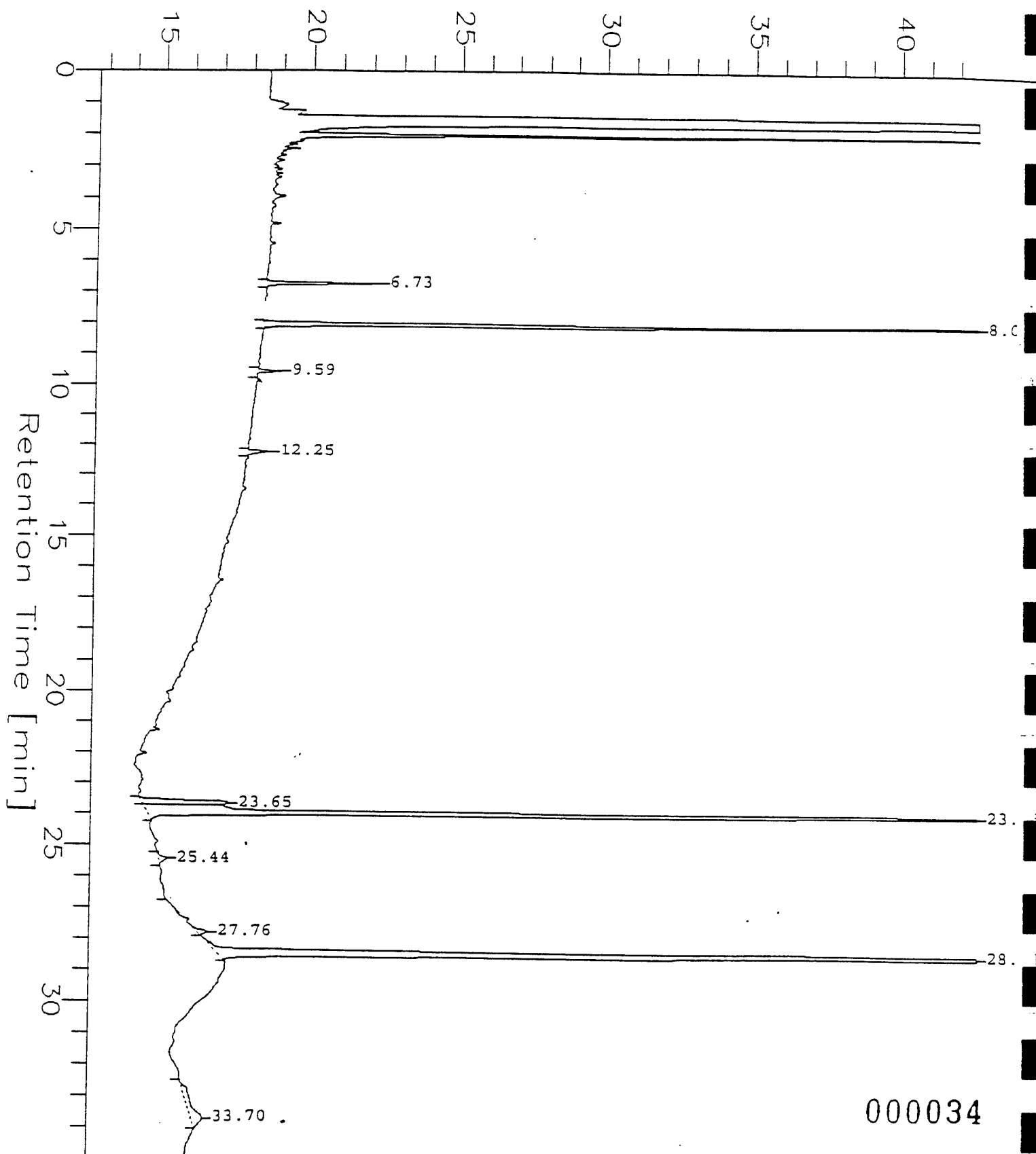
Low Point : 12.63 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 42.63 mV

1.0ul inj/column Response[mV]



000034

=====

Software Version: 3.2 <16C20>

Sample Name : 2349010

Time : 4/13/95 15:56

Sample Number: 1-20-1

Study : 4-6-95

Operator :

Instrument : 970-4:HP-4

Channel : B A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/13/95 15:20

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\424B003.raw

Result File : c:\2700\data4\424B003.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\424.seq

inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

P4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|--------------------------|---------------------|
| 1 | 6.73 | 14207 | 3761 | BB | 1000000 | 0.0142 | 0.000 | | | |
| 2 | 8.05 | 196686 | 51270 | BB | 7158474 | 0.0275 | 18.318 | | TCX 5/70 | |
| 5 | 23.65 | 30183 | 2940 | BV | 1000000 | 0.0302 | 0.000 | | | |
| 9 | 23.95 | 281241 | 50888 | VB | 6073794 | 0.0463 | 30.871 | | DIBUTYLCHLOROSDATE 46/70 | cal |
| 9 | 28.43 | 381418 | 50959 | VB | 9385506 | 0.0406 | 27.094 | | DCB 31/70 | |
| 10 | 33.70 | 15907 | 362 | BB | 1000000 | 0.0159 | 0.000 | | | |
| | | 919642 | 160180 | | | 0.1747 | 76.283 | | | |

=====

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=====

000035

8000PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/06/95
ANALYSIS DATE: 04/13/95

SAMPLE ID: 1-21-1
LAB SAMPLE ID: 2349011
DIL FACTOR: 1.00
% MOISTURE: 3

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 82 U |
| 2 | 11104-28-2 | Aroclor-1221 | 82 U |
| 3 | 11141-16-5 | Aroclor-1232 | 82 U |
| 4 | 53469-21-9 | Aroclor-1242 | 82 U |
| 5 | 12672-29-6 | Aroclor-1248 | 82 U |
| 6 | 11097-69-1 | Aroclor-1254 | 82 U |
| 7 | 11096-82-5 | Aroclor-1260 | 82 U |

000036

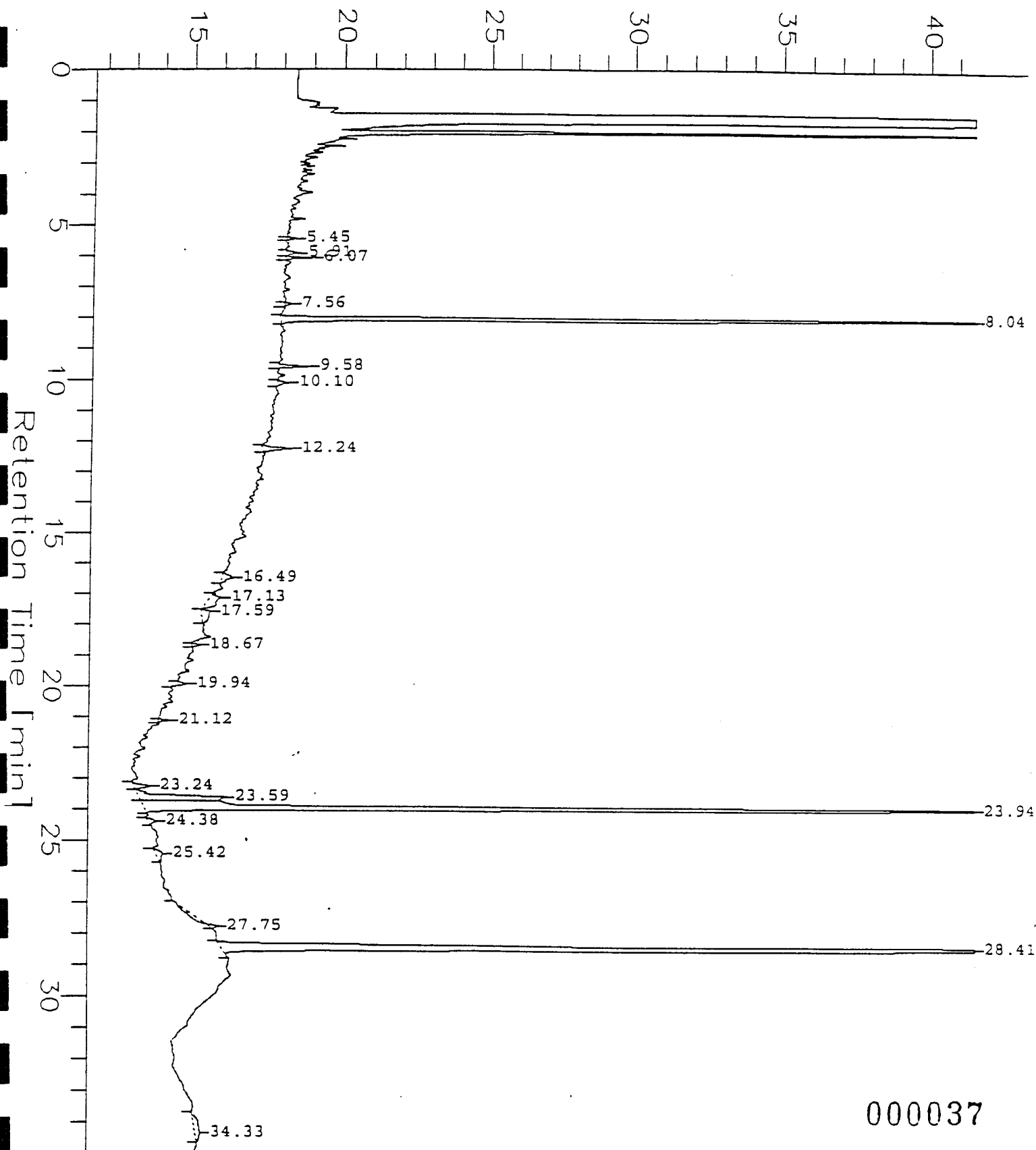
Sample Name : 2349011
FileName : c:\2700\data4\4248004.raw
Method : hp4.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 35.00 min
Plot Offset: 12 mV

Sample #: 1-21-1
Date : 4/13/95 16:41
Time of Injection: 4/13/95 16:05
Low Point : 11.54 mV
Plot Scale: 30 mV
High Point : 41.54 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000037

=====

Software Version: 3.2 <16C20>

Sample Name : 2349011

Time : 4/13/95 16:41

Sample Number: 1-21-1

Study : 4-6-95

Operator :

Instrument : 970-4:HP-4

Channel : B

A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363

Data Acquisition Time: 4/13/95 16:05

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\424B004.raw

Result File : c:\2700\data4\424B004.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\424.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.000

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|-----------------|------------------|------------------------|---------------------|
| 5 | 8.04 | 309665 | 79973 | BB | 7158474 | 0.0433 | 28.841 | | TCX 37% | |
| 8 | 12.24 | 5600 | 984 | BB | 1000000 | 0.0056 | 0.000 | | | |
| 10 | 17.13 | 8112 | 405 | BB | 1000000 | 0.0081 | 0.000 | | | |
| 11 | 17.59 | 5474 | 297 | BB | 1000000 | 0.0055 | 0.000 | | | |
| 16 | 23.59 | 31066 | 2933 | VV | 1000000 | 0.0311 | 0.000 | | | |
| 17 | 23.94 | 275130 | 51726 | VB | 6073794 | 0.0453 | 30.200 | | DIBUTYLCHLORENDATE 45% | |
| 21 | 28.41 | 350555 | 47892 | BB | 9385506 | 0.0374 | 24.902 | | DCB 75% | |
| 22 | 34.33 | 6955 | 163 | BB | 1000000 | 0.0070 | 0.000 | | | |
| | | 992557 | 184373 | | | 0.1831 | 83.942 | | | |

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *6/10/95* REVIEWED BY *J.P.*

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000038

8080 PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
EXTRACTION DATE: 04/05/95
ANALYSIS DATE: 04/11/95

SAMPLE ID: FLDBK1
LAB SAMPLE ID: 2349012
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

| CMPD # | CAS Number | PCB COMPOUND | UG/L |
|--------|------------|--------------|--------|
| 1 | 12674-11-2 | Aroclor-1016 | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | 0.50 U |
| 6 | 11097-69-1 | Aroclor-1254 | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | 0.50 U |

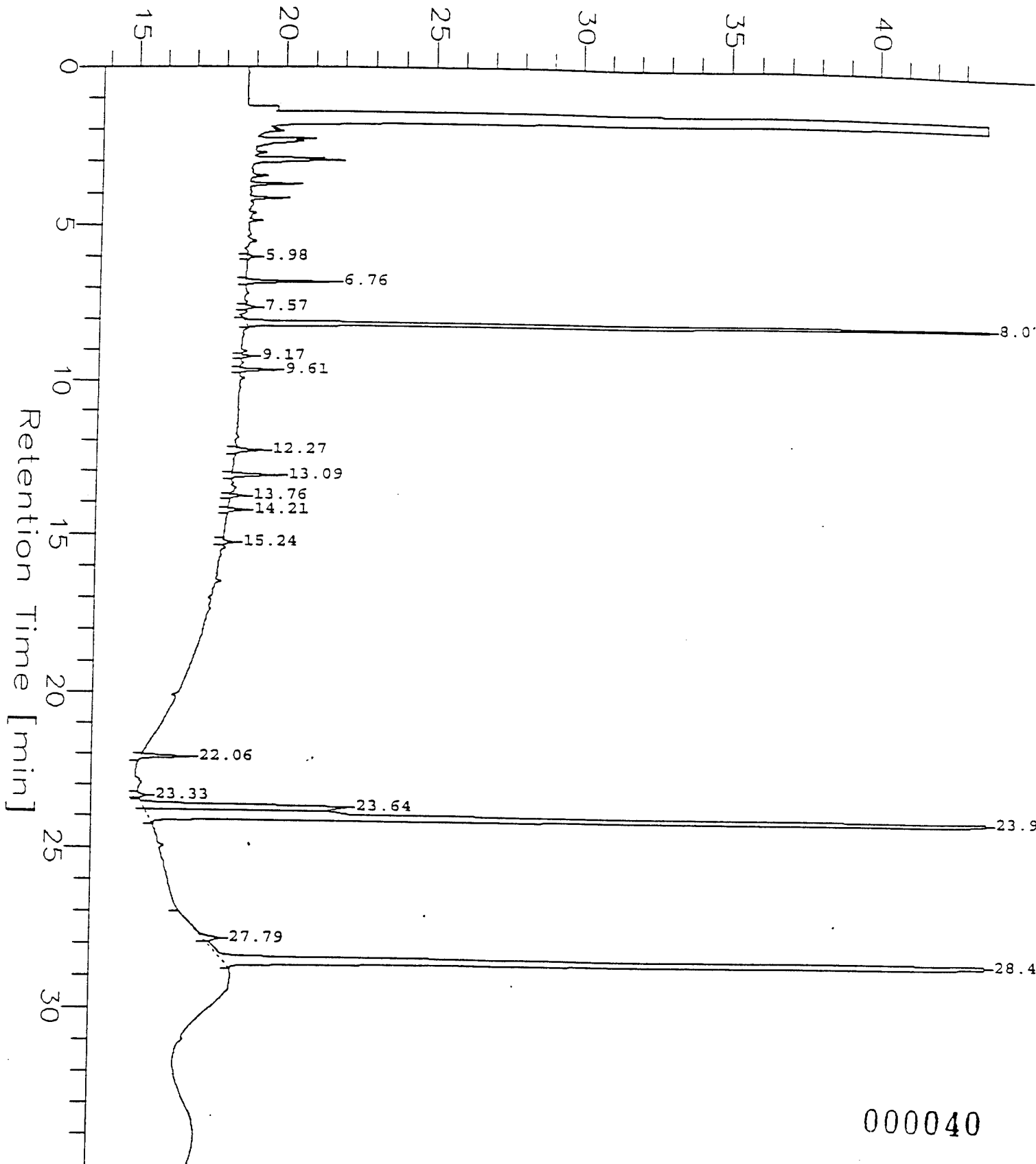
000039

Sample Name : 2349012
 FileName : c:\2700\data4\423B019.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 14 mV

Sample #: FLDBK1
 Date : 4/11/95 21:52
 Time of Injection: 4/11/95 21:09
 Low Point : 13.76 mV
 Plot Scale: 30 mV
 Page 1 of 1
 High Point : 43.76 mV

1.0ul inj/column Response[mV]



000040

Software Version: 3.2 <16C20>

Sample Name : 2349012

Sample Number: FLDBK1

Operator : PATRICK

Time : 4/11/95 21:52

Study : 4-5-95

Instrument : 970-4-HP-4

Channel : B A/D mV Range : 1000

AutoSampler : HP 7673A

Rock/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/11/95 21:09

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B019.raw

Result File : c:\2700\data4\423B019.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Ret Time (min) | Area (uV-sec) | Height (uV) | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|-----------|----------------------|-----------------|---------------------|---------------------|-------------------------|------------------------|
| 2 | 6.76 | 11264 | 2940 BB | 1000000 | 0.0113 | 0.000 | | TCX 87% | |
| | 8.07 | 311497 | 78535 BB | 7158474 | 0.0435 | 0.435 | | | |
| | 13.09 | 6861 | 1564 BB | 1000000 | 0.0069 | 0.000 | | | |
| | 22.06 | 8058 | 1654 BB | 1000000 | 0.0081 | 0.000 | | | |
| | 23.64 | 74427 | 6803 BV | 1000000 | 0.0744 | 0.000 | | | |
| 1 | 23.98 | 635788 | 115656 VB | 6073794 | 0.1047 | 1.047 | | DIBUTYLCHLORENDATE 105% | |
| | 27.79 | 5183 | 554 BV | 1000000 | 0.0052 | 0.000 | | | |
| | 28.47 | 486225 | 64268 VB | 9385506 | 0.0518 | 0.518 | | DCB 104% | |
| 1539303 | | 271974 | | | 0.3058 | 2.000 | | | |

NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: 4/13/95 REVIEWED BY: J.

000041

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: SQPBK1
CONC. LEVEL: LOW LAB SAMPLE ID: 2349013
EXTRACTION DATE: 04/05/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/11/95 % MOISTURE: NA
UG/L

| CMPD # | CAS Number | PCB COMPOUND | UG/L |
|--------|------------|--------------|--------|
| 1 | 12674-11-2 | Aroclor-1016 | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | 0.50 U |
| 6 | 11097-69-1 | Aroclor-1254 | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | 0.50 U |

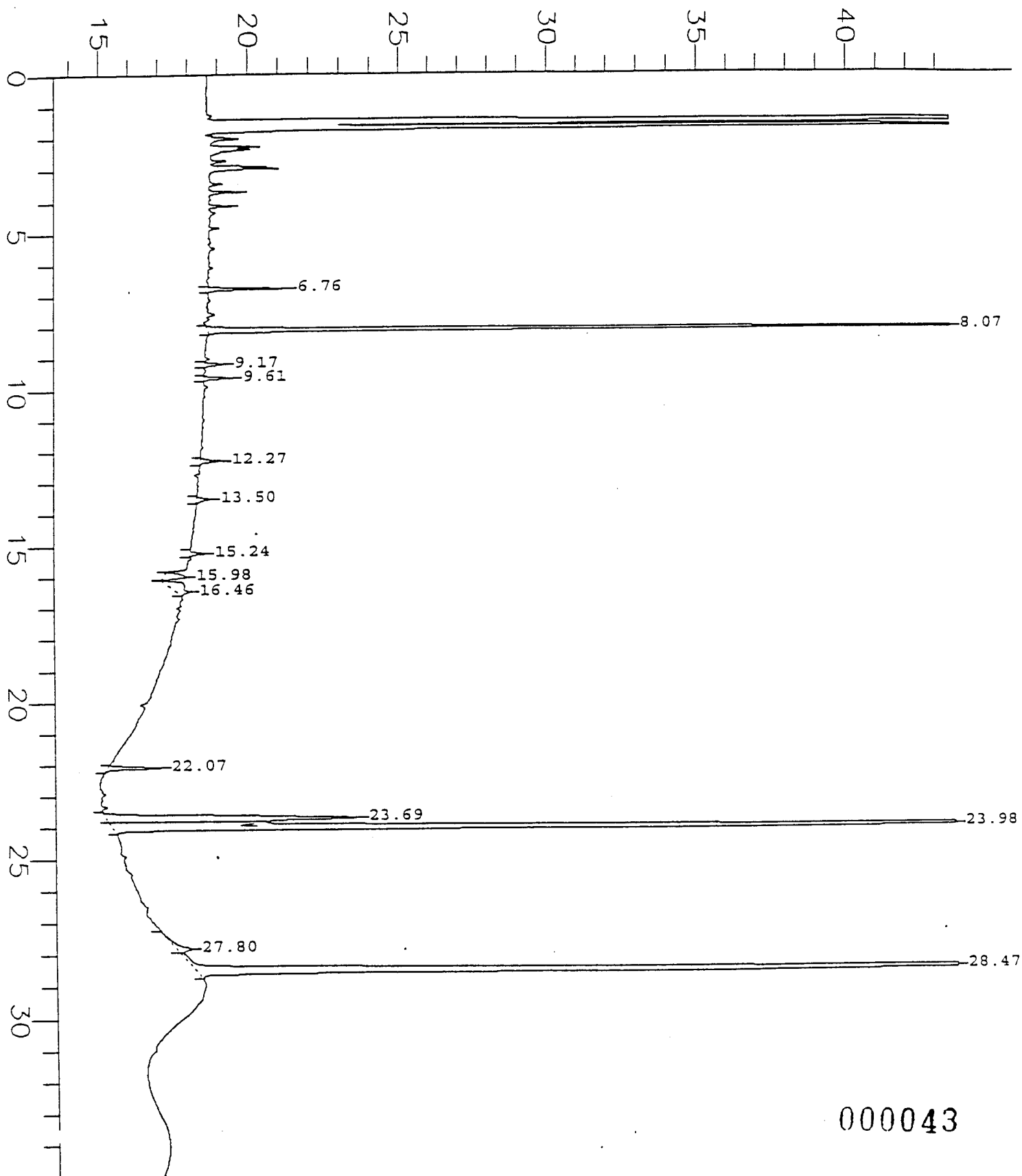
000042

Sample Name : 2349013
File Name : c:\2700\data4\4238020.raw
Mod : hp4.ins
Start Time : 0.00 min
Scale Factor : -1

End Time : 35.00 min
Plot Offset: 14 mV

Sample #: EQPBK1
Date : 4/11/95 22:36
Time of Injection: 4/11/95 21:54
Low Point : 13.49 mV
High Point : 43.49 mV
Plot Scale: 30 mV

1.0ul inj/column Response[mV]



000043

=====

Software Version: 3.2 <16C20>

Sample Name : 2349013

Time : 4/11/95 22:36

Sample Number: EQPBK1

Study : 4-5-95

Operator : PATRICK

Instrument : 970-4:HP-4

Channel : B

A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/11/95 21:54

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B020.raw

Result File : c:\2700\data4\423B020.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 1000.0000

Dilution Factor : 1.00

=====

PEST-PCB REPORT DB-1701

=====

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|------------------------|---------------------|
| 1 | 6.76 | 9905 | 2617 | BB | 1000000 | 0.0099 | 0.000 | | | |
| 2 | 8.07 | 228369 | 57776 | BB | 7158474 | 0.0319 | 0.319 | | TCX 60% | |
| 8 | 15.98 | 7042 | 762 | BB | 1000000 | 0.0070 | 0.000 | | | |
| 9 | 16.46 | 12021 | 433 | BB | 1000000 | 0.0120 | 0.010 | | | |
| 10 | 22.07 | 8825 | 1801 | BB | 1000000 | 0.0088 | 0.000 | | | |
| 11 | 23.69 | 87879 | 8326 | BV | 1000000 | 0.0879 | 0.000 | | | |
| 12 | 23.98 | 486802 | 91754 | VB | 6073794 | 0.0802 | 0.802 | | DIBUTYLCHLORENDATE 80% | |
| 13 | 27.80 | 5817 | 502 | BV | 1000000 | 0.0058 | 0.000 | | | |
| 14 | 28.47 | 398586 | 52258 | VB | 9385506 | 0.0425 | 0.425 | | DCB 85% | |
| | | 1245245 | 216229 | | | 0.2860 | 1.545 | | | |

=====

NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *ju 4/14/95* REVIEWED BY....

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000044

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-23-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2350501
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 4

| | | | UG/KG |
|-------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| CPD # | CAS Number | PCB COMPOUND | |
| 1 | 12674-11-2 | Aroclor-1016 | 83 U |
| 2 | 11104-28-2 | Aroclor-1221 | 83 U |
| 3 | 11141-16-5 | Aroclor-1232 | 83 U |
| 4 | 53469-21-9 | Aroclor-1242 | 83 U |
| 5 | 12672-29-6 | Aroclor-1248 | 83 U |
| 6 | 11097-69-1 | Aroclor-1254 | 49 J |
| 7 | 11096-82-5 | Aroclor-1260 | 83 U |

000045

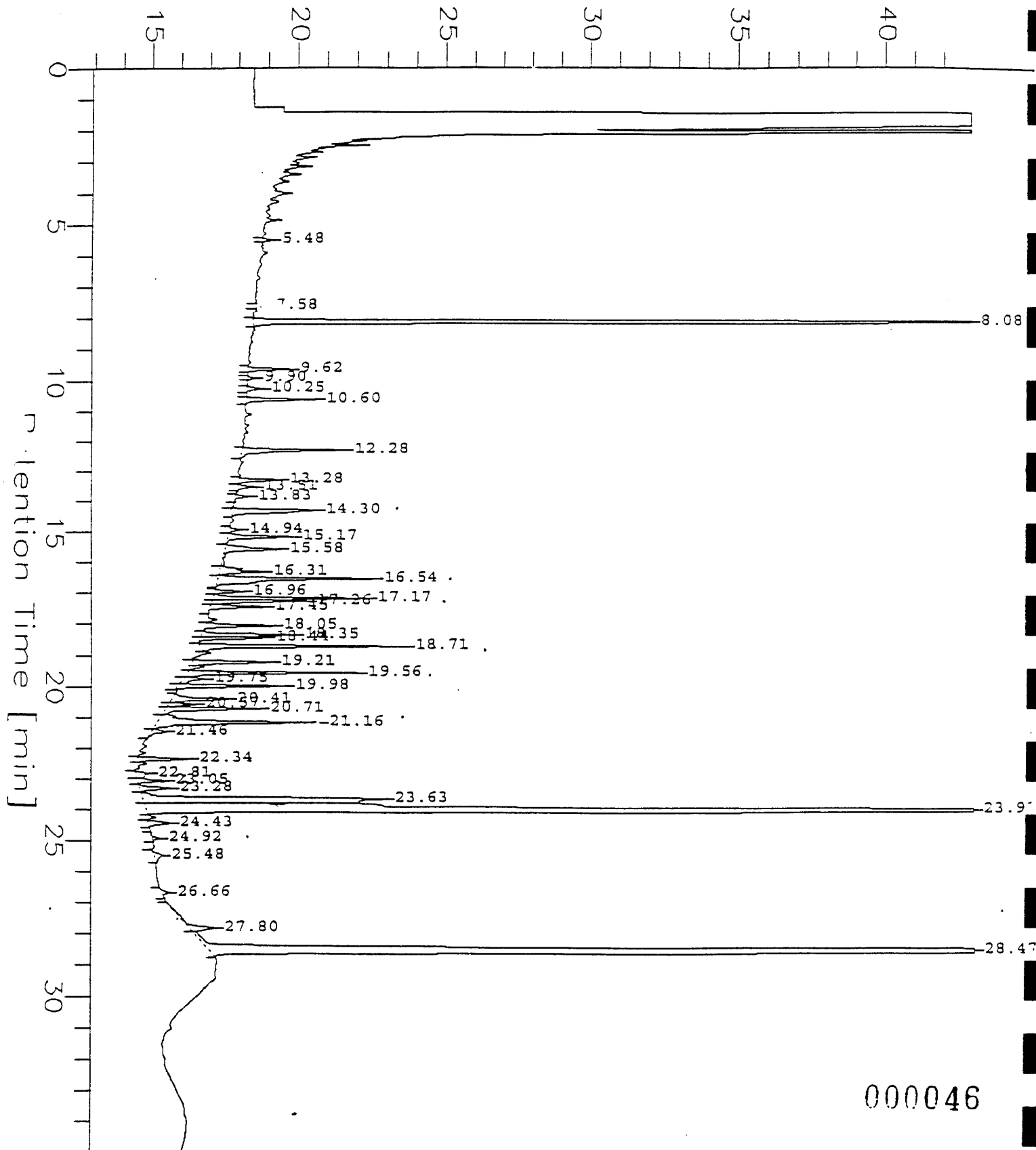
Sample Name : 2350501
 FileName : c:\2700\data4\423B030.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 13 mV

Sample #: 1-23-1
 Date : 4/12/95 06:04
 Time of Injection: 4/12/95 05:13
 Low Point : 12.91 mV
 Plot Scale: 30 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000046

Software Version: 3.2 <16C20>

Sample Name : 2350501

Sample Number: 1-23-1

Operator : PATRICK

Time : 4/12/95 06:03

Study : 4-7-95

Instrument : 970-4-HP-4

Channel : B

A/D mV Range : 1000

AutoSampler : HP 7673A

Back/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 05:18

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B030.raw

Result File : c:\2700\data4\423B030.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Peak | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|------|-------------------|------------------|----------------|----|----------------------|-----------------|---------------------|---------------------|--------------------------|------------------------|
| 1 | 8.08 | 383751 | 97369 | BB | 7158474 | 0.0536 | 35.740 | | TCX 107/0 | |
| 4 | 9.62 | 5616 | 1412 | BB | 1000000 | 0.0056 | 0.000 | | | |
| 7 | 10.60 | 11250 | 2379 | BB | 1000000 | 0.0113 | 0.000 | | | |
| | 12.28 | 18240 | 3466 | BB | 1000000 | 0.0182 | 0.000 | | | |
| | 13.28 | 6768 | 1390 | BB | 1000000 | 0.0068 | 0.000 | | | |
| | 14.30 | 20597 | 2869 | BB | 1000000 | 0.0206 | 0.000 | | | |
| 14 | 15.17 | 12133 | 2212 | VV | 1000000 | 0.0121 | 0.000 | | | |
| 15 | 15.58 | 13238 | 1882 | VV | 1000000 | 0.0132 | 0.000 | | | |
| | 16.31 | 10966 | 1498 | VV | 1000000 | 0.0110 | 0.000 | | | |
| | 16.54 | 34501 | 5255 | VB | 1000000 | 0.0345 | 0.000 | | | |
| | 17.17 | 25579 | 5209 | VV | 1000000 | 0.0256 | 0.000 | | | |
| 20 | 17.26 | 14380 | 3235 | VV | 1000000 | 0.0144 | 0.000 | | | |
| 21 | 17.45 | 9219 | 1860 | VB | 1000000 | 0.0092 | 0.000 | | | |
| | 18.05 | 11321 | 2304 | BV | 1000000 | 0.0113 | 0.000 | | | |
| | 18.35 | 15644 | 3187 | VV | 1000000 | 0.0156 | 0.000 | | | |
| | 18.44 | 10235 | 2214 | VB | 1000000 | 0.0102 | 0.000 | | | |
| 25 | 18.71 | 32519 | 6909 | BB | 1000000 | 0.0325 | 0.000 | | | |
| 26 | 19.21 | 13668 | 2622 | BB | 1000000 | 0.0137 | 0.000 | | | |
| | 19.56 | 28638 | 5782 | BV | 1000000 | 0.0286 | 0.000 | | | |
| | 19.98 | 17594 | 3702 | VB | 1000000 | 0.0176 | 0.000 | | | |
| | 20.41 | 10901 | 1912 | BV | 1000000 | 0.0109 | 0.000 | | | |
| 32 | 20.71 | 16289 | 3224 | VV | 1000000 | 0.0163 | 0.000 | | | |
| 33 | 21.16 | 38295 | 5522 | VV | 1000000 | 0.0383 | 0.000 | | | |
| | 22.34 | 8429 | 1770 | BB | 1000000 | 0.0084 | 0.000 | | | |
| | 23.28 | 6155 | 1035 | VB | 1000000 | 0.0062 | 0.000 | | | |
| | 23.63 | 87094 | 8177 | BV | 1000000 | 0.0871 | 0.000 | | | |
| 40 | 23.98 | 842152 | 153769 | VB | 6073794 | 0.1387 | 92.440 | | DIBUTYLCHLORENDATE 137/0 | |
| 45 | 27.80 | 7943 | 858 | BV | 1000000 | 0.0079 | 0.000 | | | |
| 47 | 28.47 | 661455 | 87276 | VB | 9385506 | 0.0705 | 46.987 | | DCB 147/0 | |
| | | 2374570 | 420294 | | | 0.7500 | 175.167 | | | |

NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. 4/14/95 REVIEWED BY. 4/14/95

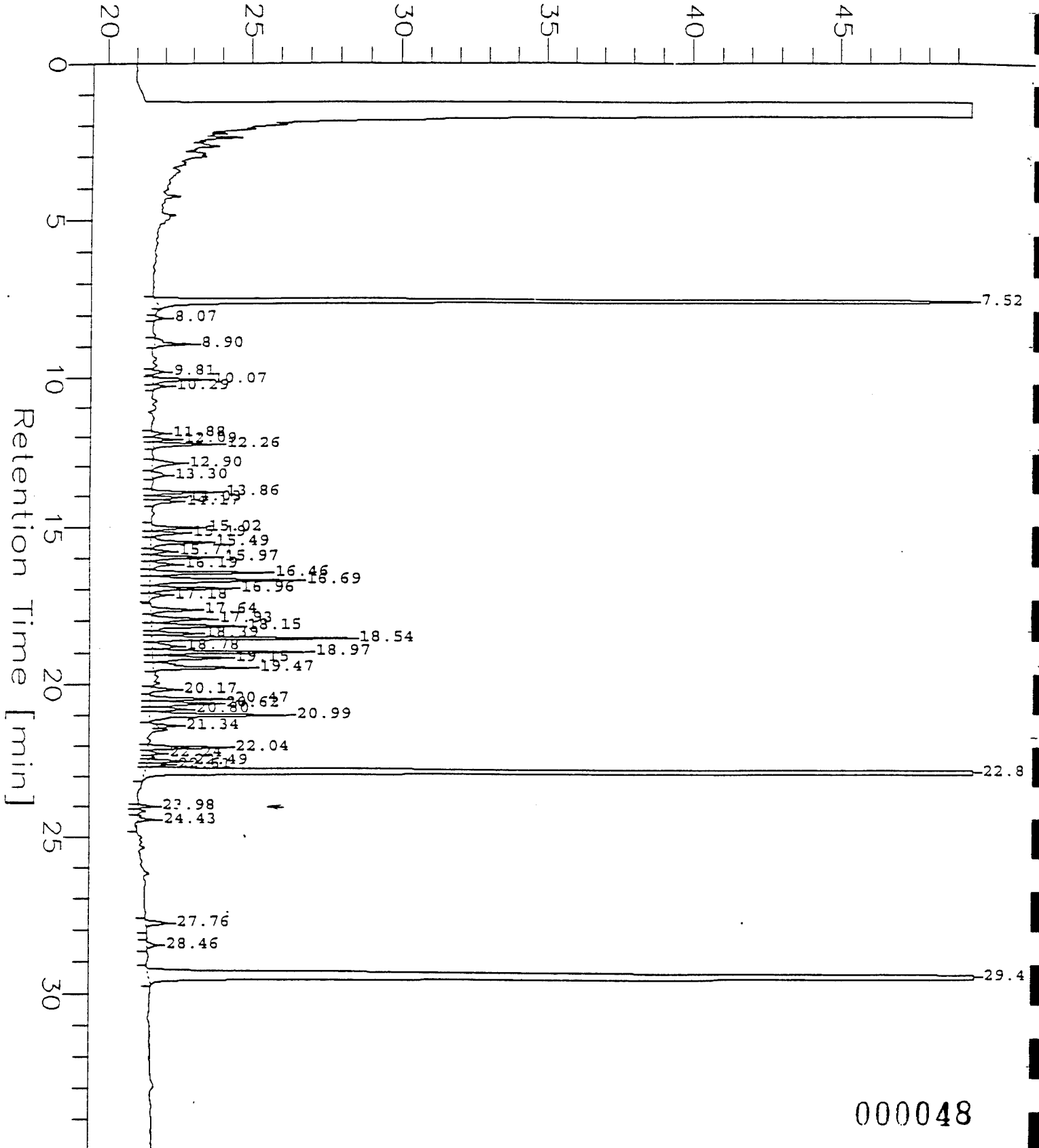
000047

Sample Name : 2350501
 FileName : c:\2700\data4\423A030.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 20 mV

Sample #: 1-23-1
 Date : 4/12/95 05:58
 Time of Injection: 4/12/95 05:18
 Low Point : 19.47 mV
 Plot Scale: 30 mV
 High Point : 49.47 mV

1.0ul inj/column Response[mV]



=====

Software Version: 3.2 <16C20>

Sample Name : 2350501

Time : 4/12/95 05:57

Sample Number: 1-23-1

Study : 4-7-95

Operator : PATRICK

Instrument : 970-4-HP-4

Channel : A A/D mV Range : 1000

AutoSampler : HP 7673A

Back/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 05:18

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423A030.raw

Result File : c:\2700\data4\423A030.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\401.prc

Sample File : c:\2700\data\423AN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 6000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

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PEST-PCB REPORT DB-608

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4-A DB608 30M X 0.53 MM ID 150 C TO 275 C

=====

| Ret Time (min) | Area (uV-sec) | Height (uV) | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|-----------|----------------------|-----------------|---------------------|---------------------|--------------------|------------------------|
| 1 | 7.52 | 456508 | 101221 BB | 8548369 | 0.0534 | 35.604 | | TCX 101221 | |
| 2 | 8.90 | 7341 | 1270 BB | 1000000 | 0.0073 | 0.000 | | | |
| 3 | 10.07 | 9747 | 1762 BV | 1000000 | 0.0098 | 0.000 | | | |
| 4 | 12.26 | 11675 | 2215 VB | 1000000 | 0.0117 | 0.000 | | | |
| 5 | 12.90 | 8375 | 951 BB | 1000000 | 0.0084 | 0.000 | | | |
| 6 | 13.86 | 10350 | 2228 BV | 1000000 | 0.0104 | 0.000 | | | |
| 7 | 15.02 | 8510 | 1635 BV | 1000000 | 0.0085 | 0.000 | | | |
| 8 | 15.19 | 6385 | 1114 VV | 1000000 | 0.0064 | 0.000 | | | |
| 9 | 15.49 | 12872 | 1905 VV | 1000000 | 0.0129 | 0.000 | | | |
| 10 | 15.97 | 11955 | 2231 VV | 1000000 | 0.0120 | 0.000 | | | |
| 11 | 16.46 | 21050 | 3952 VV | 1000000 | 0.0211 | 0.000 | | | |
| 12 | 16.69 | 34290 | 5026 VV | 1000000 | 0.0343 | 0.000 | | | |
| 13 | 16.96 | 16063 | 2836 VV | 1000000 | 0.0161 | 0.000 | | | |
| 14 | 17.64 | 8584 | 1508 BV | 1000000 | 0.0086 | 0.000 | | | |
| 15 | 17.93 | 13275 | 2017 VV | 1000000 | 0.0133 | 0.000 | | | |
| 16 | 18.15 | 16636 | 2960 VV | 1000000 | 0.0166 | 0.000 | | | |
| 17 | 18.39 | 7865 | 1502 VV | 1000000 | 0.0079 | 0.000 | | | |
| 18 | 18.54 | 35034 | 6691 VV | 1000000 | 0.0350 | 0.000 | | | |
| 19 | 18.78 | 6586 | 840 VV | 1000000 | 0.0066 | 0.000 | | | |
| 20 | 18.97 | 27492 | 5223 VV | 1000000 | 0.0275 | 0.000 | | | |
| 21 | 19.15 | 15349 | 2497 VV | 1000000 | 0.0154 | 0.000 | | | |
| 22 | 19.47 | 20436 | 3316 VB | 1000000 | 0.0204 | 0.000 | | | |
| 23 | 20.47 | 13255 | 2586 BV | 1000000 | 0.0133 | 0.000 | | | |
| 24 | 20.62 | 13926 | 2274 VV | 1000000 | 0.0139 | 0.000 | | | |
| 25 | 20.80 | 7825 | 1266 VV | 1000000 | 0.0078 | 0.000 | | | |
| 26 | 20.99 | 29371 | 4698 VB | 1000000 | 0.0294 | 0.000 | | | |
| 27 | 22.04 | 13302 | 2642 BV | 1000000 | 0.0133 | 0.000 | | | |
| 28 | 22.81 | 858143 | 159851 VB | 12933000 | 0.0664 | 44.238 | | DIBUTYLCHLORENDATE | 6670 |
| 29 | 29.40 | 671899 | 77500 BB | 8791037 | 0.0764 | 50.956 | | DCB 15267 | |
| 2374098 405718 | | | | | 0.5837 | 130.797 | | | |

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N=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: 10/17/95 REVIEWED BY: J.F.

=====

000049

=====
 Software Version: 3.2 <16C20>
 Date: 4/13/95 10:23
 Sample Name : 2350501
 Data File : c:\2700\data4\423B030.raw Date: 4/12/95 05:18
 Sequence File: C:\2700\DATA4\423.seq Cycle: 30 Channel : B
 Instrument : 970-4-HP-4 Rack/Vial: 0/0 Operator: PATRICK
 Sample Amount : 30.0000 Dilution Factor : 1.00
 =====

PCB WORKSHEET DB-1701

=====
 HP4B DB1701 30M X 0.53 MM ID 150 C,275 C
 =====

11/42

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 3 | 8.08 | 383751 | 97369 | 6439013 | 0.0596 | 39.7 | TCX |
| 12 | 14.30 | 20597 | 2869 | 277148 | 0.0743 | 49.6 | AR1254-A |
| 17 | 16.54 | 34501 | 5255 | 570821 | 0.0604 | 40.3 | AR1254-B |
| 19 | 17.17 | 25579 | 5209 | 258561 | 0.0989 | 66.0 | AR1254-C |
| 25 | 18.71 | 32519 | 6909 | 602318 | 0.0540 | 36.0 | AR1254-D |
| 27 | 19.56 | 28638 | 5782 | 418490 | 0.0684 | 45.6 | AR1254-E |
| 33 | 21.16 | 38295 | 5522 | 597984 | 0.0640 | 42.7 | AR1254-F |
| 40 | 23.98 | 842152 | 153769 | 5705570 | 0.1476 | 98.4 | DIBUTYLCHLORENDATE |
| 46 | 28.47 | 661455 | 87276 | 9045258 | 0.0731 | 48.8 | DCS |
| | | 2067488 | 369959 | | 0.7005 | 467.0 | |

$\Sigma = 47773$
 $= 47773 (12.7)$

PREPARED BY. [Signature]

REVIEWED BY. [Signature]

000050

Software Version: 3.2 <16C20>

Date: 4/13/95 10:23

Sample Name : 2350501

Data File : c:\2700\data4\423A030.raw Date: 4/12/95 05:18

Sequence File: C:\2700\DATA4\423.seq Cycle: 30 Channel : A

Instrument : 970-4-HP-4 Rack/Vial: 0/0 Operator: PATRICK

Sample Amount : 30.0000 Dilution Factor : 1.00

PCB WORKSHEET DB-608

HP4A DB608 30M X 0.53 MM ID 150 C,275 C

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 1 | 7.52 | 456508 | 101221 | 7821952 | 0.0584 | 38.9 | TCX |
| 12 | 13.86 | 10350 | 2228 | 239438 | 0.0432 | 28.8 | AR1254-A |
| 2 | 16.46 | 21050 | 3952 | 443123 | 0.0475 | 31.7 | AR1254-B |
| 2 | 16.69 | 34290 | 5026 | 534361 | 0.0642 | 42.8 | AR1254-C |
| 2 | 18.54 | 35034 | 6691 | 669103 | 0.0524 | 34.9 | AR1254-D |
| 1 | 18.97 | 27492 | 5223 | 451140 | 0.0609 | 40.6 | AR1254-E |
| 33 | 19.47 | 20436 | 3316 | 377982 | 0.0541 | 36.1 | AR1254-F |
| 3 | 20.99 | 29371 | 4698 | 515204 | 0.0570 | 38.0 | AR1254-G |
| 4 | 22.81 | 858143 | 159851 | 6704691 | 0.1280 | 85.3 | DIBUTYLCHLOROSDATE |
| 3 | 29.40 | 671899 | 77500 | 9133466 | 0.0736 | 49.1 | DCB |
| | | 2164574 | 369706 | | 0.6392 | 426.2 | |

PREPARED BY. *SLC 4/14/95*

REVIEWED BY. *[Signature]*

000051

8080PCS - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-22-1
CONC. LEVEL: LOW LAB SAMPLE IL. 2350502
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 5

| | | UG/KG | |
|--------|------------|--------------|-------------|
| CMFD # | CAS Number | PCB COMPOUND | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 84 U |
| 2 | 11104-28-2 | Aroclor-1221 | 84 U |
| 3 | 11141-16-5 | Aroclor-1232 | 84 U |
| 4 | 53469-21-9 | Aroclor-1242 | 84 U |
| 5 | 12672-29-6 | Aroclor-1248 | 84 U |
| 6 | 11097-69-1 | Aroclor-1254 | 84 U |
| 7 | 11096-82-5 | Aroclor-1260 | 84 U |

000052

Sample Name : 2350502

Sample #: 1-22-1

Page 1 of 1

File Name : c:\2700\data4\423B031.raw

Date : 4/12/95 06:49

Method : hp4.ins

Time of Injection: 4/12/95 06:02

Start Time : 0.00 min

End Time : 35.00 min

Low Point : 12.57 mV

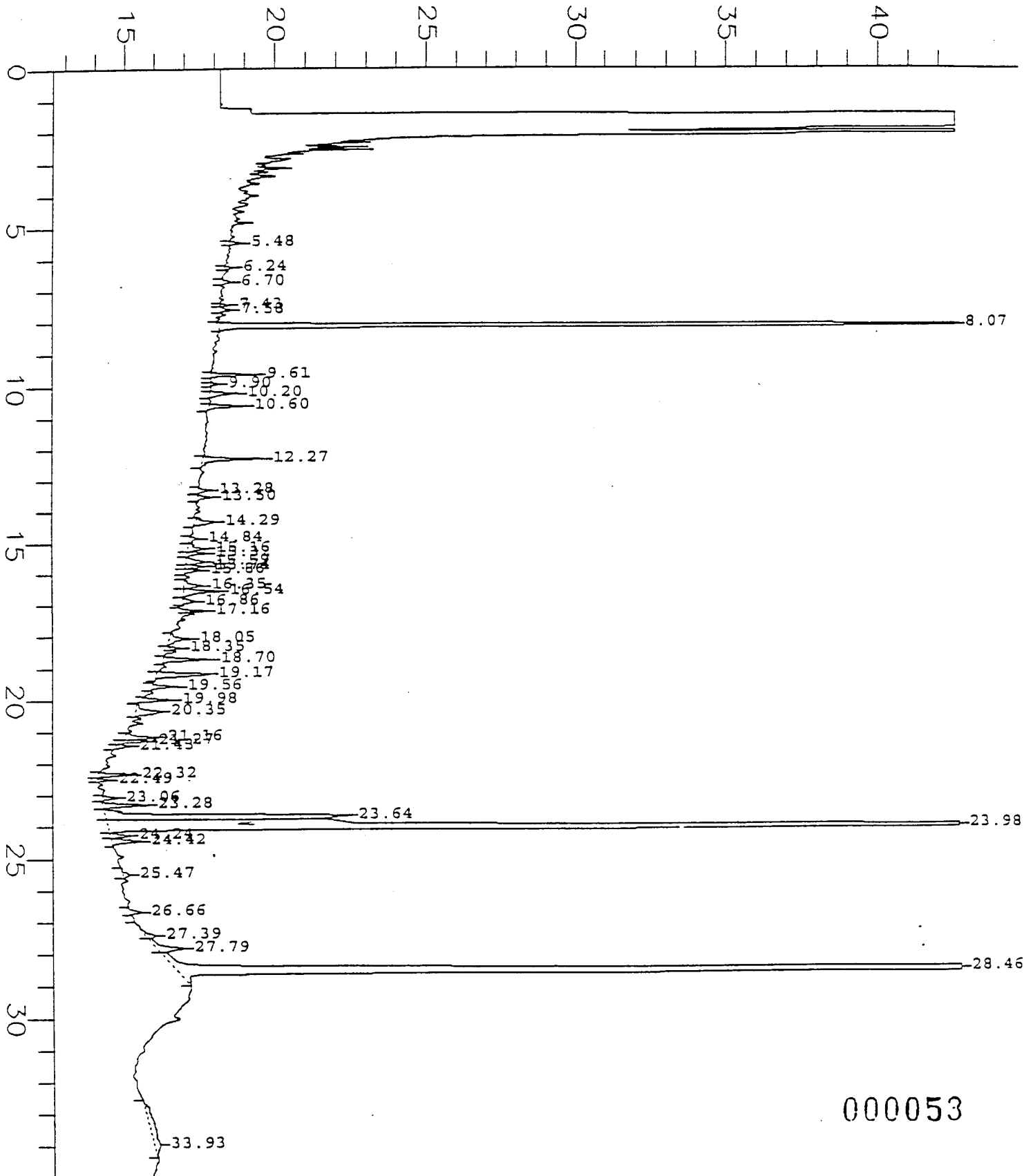
High Point : 42.57 mV

Scale Factor : -1

Plot Offset: 13 mV

Plot Scale: 30 mV

1.0ul inj/column Response[mV]



000053

=====

Software Version: 3.2 <16C20>

Sample Name : 2350502

Time : 4/12/95 06:48

Sample Number: 1-22-1

Study : 4-7-95

Operator : PATRICK

Instrument : 970-4-HP-4

Channel : B

A/D mV Range : 1000

AutoSampler : HP 7673A

Rack/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 06:02

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B031.raw

Result File : c:\2700\data4\423B031.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30..000

Dilution Factor : 1.00

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PEST-PCB REPORT DB-1701

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HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

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| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|-----------------|------------------|----------------|--|
| 6 | 8.07 | 418645 | 107372 | BB | 7158474 | 0.0585 | 38.990 | | TCX 117% | very low uncertainty 4/12/95 COL |
| 7 | 9.61 | 6074 | 1510 | BB | 1000000 | 0.0061 | 0.000 | | | |
| 10 | 10.60 | 5465 | 1182 | BB | 1000000 | 0.0055 | 0.000 | | | |
| 11 | 12.27 | 10393 | 1993 | BB | 1000000 | 0.0104 | 0.000 | | | |
| 22 | 16.54 | 7548 | 1182 | VB | 1000000 | 0.0076 | 0.000 | | | |
| 25 | 18.05 | 5168 | 685 | BB | 1000000 | 0.0052 | 0.000 | | | |
| 27 | 18.70 | 7586 | 1571 | BB | 1000000 | 0.0076 | 0.000 | | | |
| 28 | 19.17 | 11998 | 1716 | BB | 1000000 | 0.0120 | 0.000 | | | |
| 30 | 19.98 | 5011 | 1067 | BB | 1000000 | 0.0050 | 0.000 | | | |
| 31 | 20.35 | 7697 | 837 | BB | 1000000 | 0.0077 | 0.000 | | | |
| 32 | 21.16 | 6089 | 1160 | BV | 1000000 | 0.0061 | 0.000 | | | DIBUTYLCHLORENDATE 134% DCB 137% |
| 35 | 22.32 | 5635 | 1135 | BB | 1000000 | 0.0056 | 0.000 | | | |
| 38 | 23.28 | 8623 | 1535 | BV | 1000000 | 0.0086 | 0.000 | | | |
| 39 | 23.64 | 75830 | 8023 | VV | 1000000 | 0.0758 | 0.000 | | | |
| 40 | 23.98 | 845750 | 155855 | VV | 6073794 | 0.1393 | 92.835 | | | |
| 42 | 24.42 | 6246 | 988 | VB | 1000000 | 0.0063 | 0.000 | | | |
| 46 | 27.79 | 8508 | 871 | VV | 1000000 | 0.0085 | 0.000 | | | |
| 47 | 28.46 | 641888 | 83185 | VB | 9385506 | 0.0684 | 45.597 | | | |
| 48 | 33.93 | 13769 | 179 | BB | 1000000 | 0.0138 | 0.000 | | | |
| | | 2097924 | 372046 | | | 0.4578 | 177.422 | | | |

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NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY *16.3/12/95* REVIEWED BY *J.*

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000054

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-22-1D
CONC. LEVEL: LOW LAB SAMPLE ID: 2350503
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 6

| | | | UG/KG |
|-------|------------|--------------|-------------|
| CPD # | CAS Number | PCB COMPOUND | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 85 U |
| 2 | 11104-28-2 | Aroclor-1221 | 85 U |
| 3 | 11141-16-5 | Aroclor-1232 | 85 U |
| 4 | 53469-21-9 | Aroclor-1242 | 85 U |
| 5 | 12672-29-6 | Aroclor-1248 | 85 U |
| 6 | 11097-69-1 | Aroclor-1254 | 85 U |
| 7 | 11096-82-5 | Aroclor-1260 | 85 U |

000055

Sample Name : 2350503

FileName : C:\2700\DATA4\423B033.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor: -1

End Time : 35.00 min

Plot Offset: 11 mV

Sample #: 1-22-1D

Date : 4/13/95 10:55

Time of Injection: 4/12/95 10:34

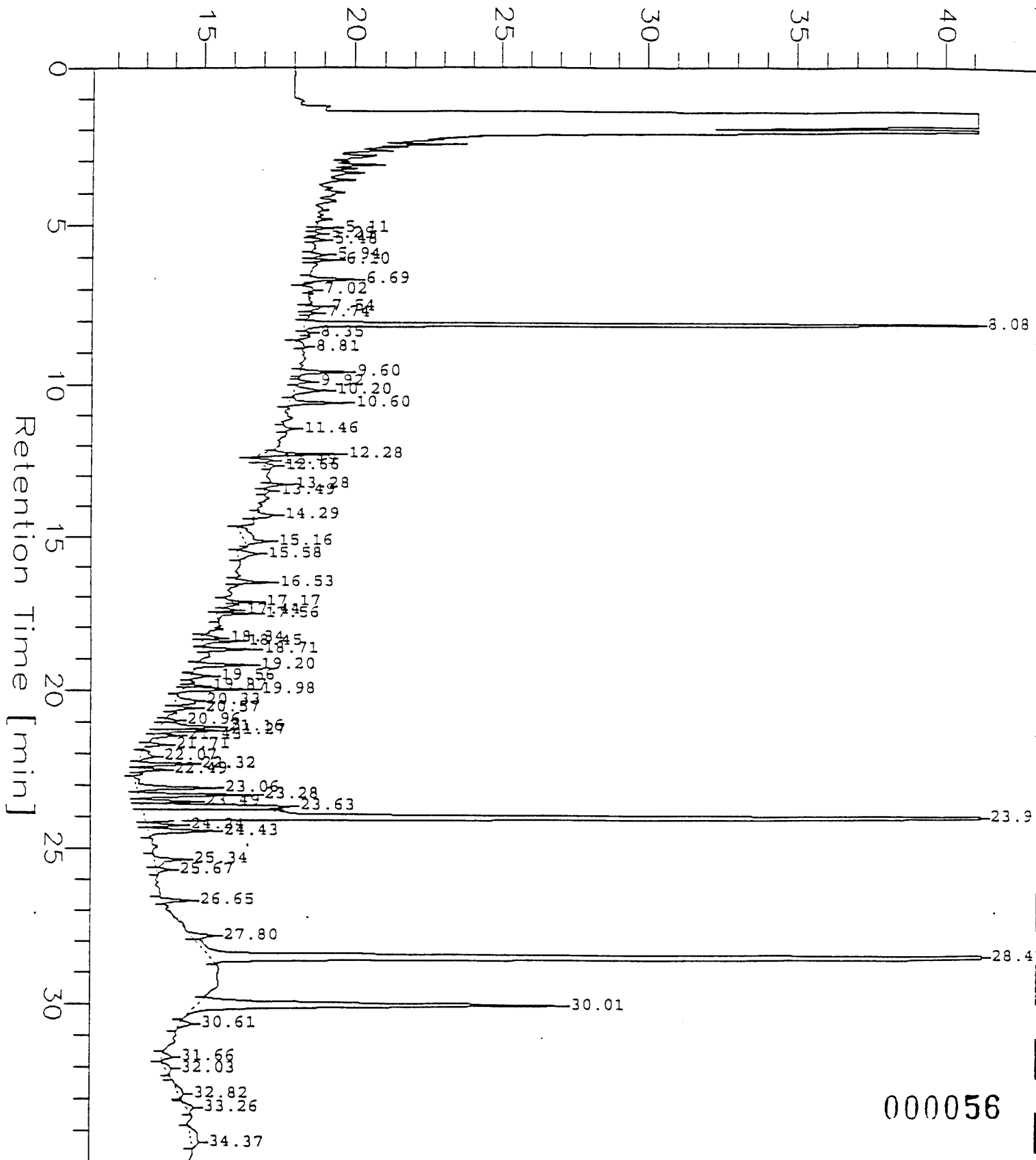
Low Point : 11.13 mV

Plot Scale: 30 mV

Page 1 of 1

X⁰

1.0ul inj/column Response[mV]



000056

Software Version: 3.2 <16C20>
Sample Name : 2350503
Sample Number: 1-22-1D
Operator : PATRICK

Time : 4/12/95 11:09
Study : 4-7-95

Instrument : 970-4-HP-4
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 10:34
Delay Time : 0.00 min.
End Time : 35.00 min.
Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B033.raw
Result File : c:\2700\data4\423B033.rst
Instrument File: c:\2700\data\hp4.ins
Access File : c:\2700\data\402.prc
Sample File : c:\2700\data\423BN-60.smp
Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 30.0000 Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|----------|----------------------|-----------------|--------------------|---------------------|------------------------|------------------------|
| 6 | 6.69 | 6035 | 1474 BB | 1000000 | 0.0060 | 0.000 | | | |
| | 8.08 | 314923 | 81448 BB | 7158474 | 0.0440 | 29.330 | | TCX 88% | very low concentration |
| | 9.60 | 7334 | 1517 BB | 1000000 | 0.0073 | 0.000 | | | |
| | 10.20 | 8263 | 1081 VV | 1000000 | 0.0083 | 0.000 | | | |
| | 10.60 | 10258 | 1890 VB | 1000000 | 0.0103 | 0.000 | | | |
| | 12.28 | 14049 | 2603 BB | 1000000 | 0.0141 | 0.000 | | | |
| | 15.16 | 12154 | 772 BB | 1000000 | 0.0122 | 0.000 | | | |
| | 15.58 | 6170 | 662 BB | 1000000 | 0.0062 | 0.000 | | | |
| | 16.53 | 5805 | 1150 BB | 1000000 | 0.0058 | 0.000 | | | |
| | 17.56 | 5460 | 1266 BB | 1000000 | 0.0055 | 0.000 | | | |
| | 18.45 | 5520 | 1206 VB | 1000000 | 0.0055 | 0.000 | | | |
| | 18.71 | 7205 | 1664 BB | 1000000 | 0.0072 | 0.000 | | | |
| | 19.20 | 9844 | 1844 BB | 1000000 | 0.0098 | 0.000 | | | |
| | 19.98 | 14046 | 2325 BB | 1000000 | 0.0141 | 0.000 | | | |
| | 20.33 | 7554 | 726 BV | 1000000 | 0.0076 | 0.000 | | | |
| | 21.16 | 12850 | 2049 VV | 1000000 | 0.0129 | 0.000 | | | |
| | 21.27 | 10468 | 2188 VV | 1000000 | 0.0105 | 0.000 | | | |
| | 22.32 | 8542 | 1807 BB | 1000000 | 0.0085 | 0.000 | | | |
| | 23.06 | 17975 | 2667 BV | 1000000 | 0.0180 | 0.000 | | | |
| | 23.28 | 20750 | 3911 VV | 1000000 | 0.0208 | 0.000 | | | |
| | 23.49 | 8640 | 1905 VV | 1000000 | 0.0086 | 0.000 | | | |
| | 23.63 | 49906 | 5013 VV | 1000000 | 0.0499 | 0.000 | | | |
| | 23.98 | 526655 | 97906 VV | 6073794 | 0.0867 | 57.809 | | DIBUTYLCHLORENDATE 87% | |
| | 24.24 | 5812 | 1179 VV | 1000000 | 0.0058 | 0.000 | | | |
| | 24.43 | 15255 | 2254 VB | 1000000 | 0.0153 | 0.000 | | | |
| | 25.34 | 8296 | 1031 BV | 1000000 | 0.0083 | 0.000 | | | |
| | 26.65 | 5373 | 961 BB | 1000000 | 0.0054 | 0.000 | | | |
| | 27.80 | 5651 | 737 BV | 1000000 | 0.0057 | 0.000 | | | |
| | 28.47 | 425629 | 56254 VB | 9385506 | 0.0454 | 30.235 | | DCB 91% | |
| | 30.01 | 115660 | 12223 BB | 1000000 | 0.1157 | 0.000 | | | |
| | 34.37 | 7802 | 239 BB | 1000000 | 0.0078 | 0.000 | | | |
| 1679883 293950 | | | | | 0.5887 | 117.374 | | | 000057 |

8080PCS - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/07/95
ANALYSIS DATE: 04/12/95

SAMPLE ID: 1-19-1
LAB SAMPLE ID: 2350504
DIL FACTOR: 1.00
% MOISTURE: 5

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 84 U |
| 2 | 11104-28-2 | Aroclor-1221 | 84 U |
| 3 | 11141-16-5 | Aroclor-1232 | 84 U |
| 4 | 53469-21-9 | Aroclor-1242 | 84 U |
| 5 | 12672-29-6 | Aroclor-1248 | 84 U |
| 6 | 11097-69-1 | Aroclor-1254 | 84 U |
| 7 | 11096-82-5 | Aroclor-1260 | 39 U |

000058

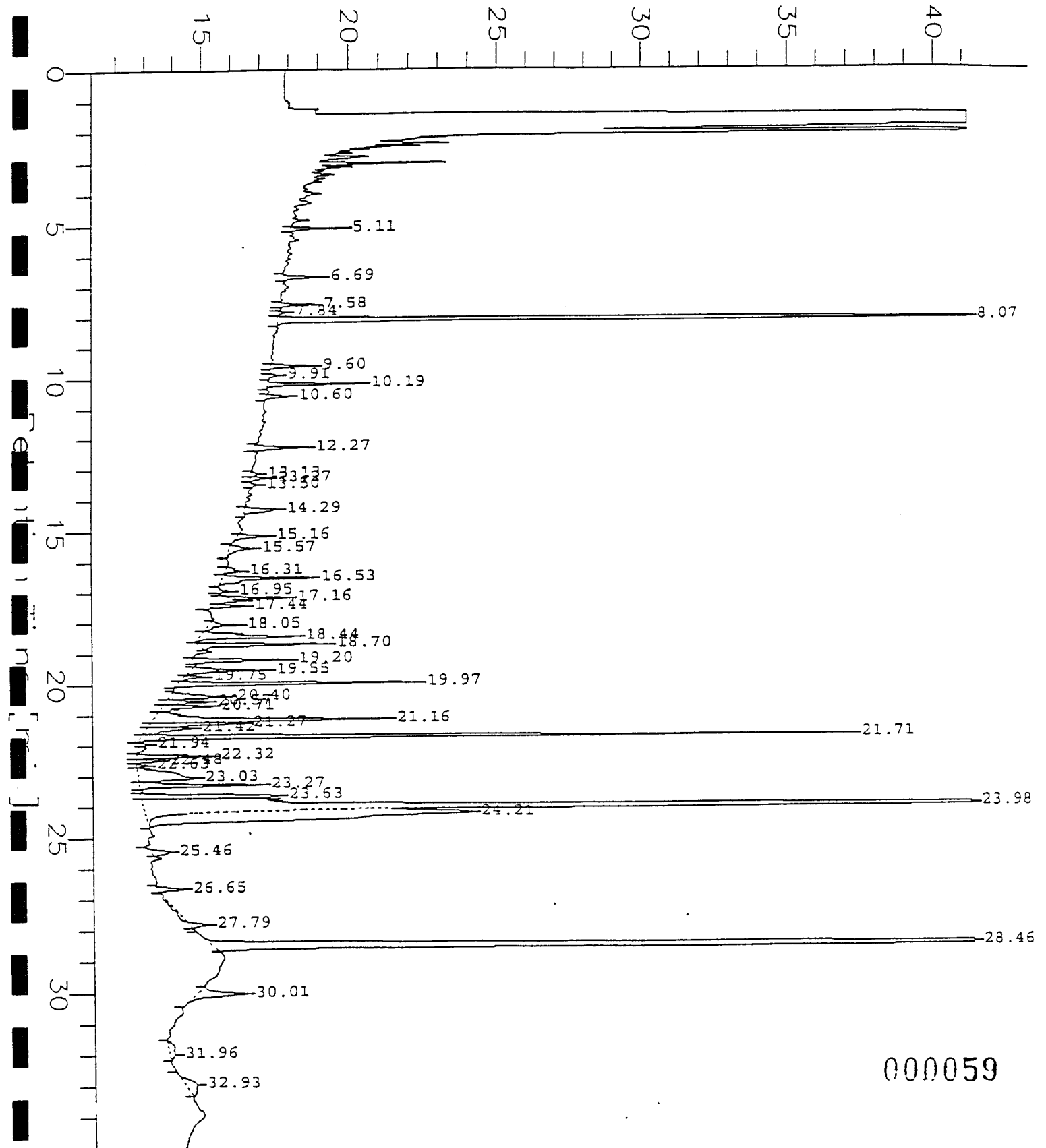
Sample Name : 2350504
FileName : c:\2700\data\4\23B034.raw
Method : hp4.ins
Start Time : 0.00 min
File Factor : -1

End Time : 35.00 min
Plot Offset : 11 mV

Sample #: 1-19-1
Date : 4/13/95 10:56
Time of Injection: 4/12/95 11:19
Low Point : 11.18 mV
Plot Scale: 30 mV
High Point : 41.18 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000059

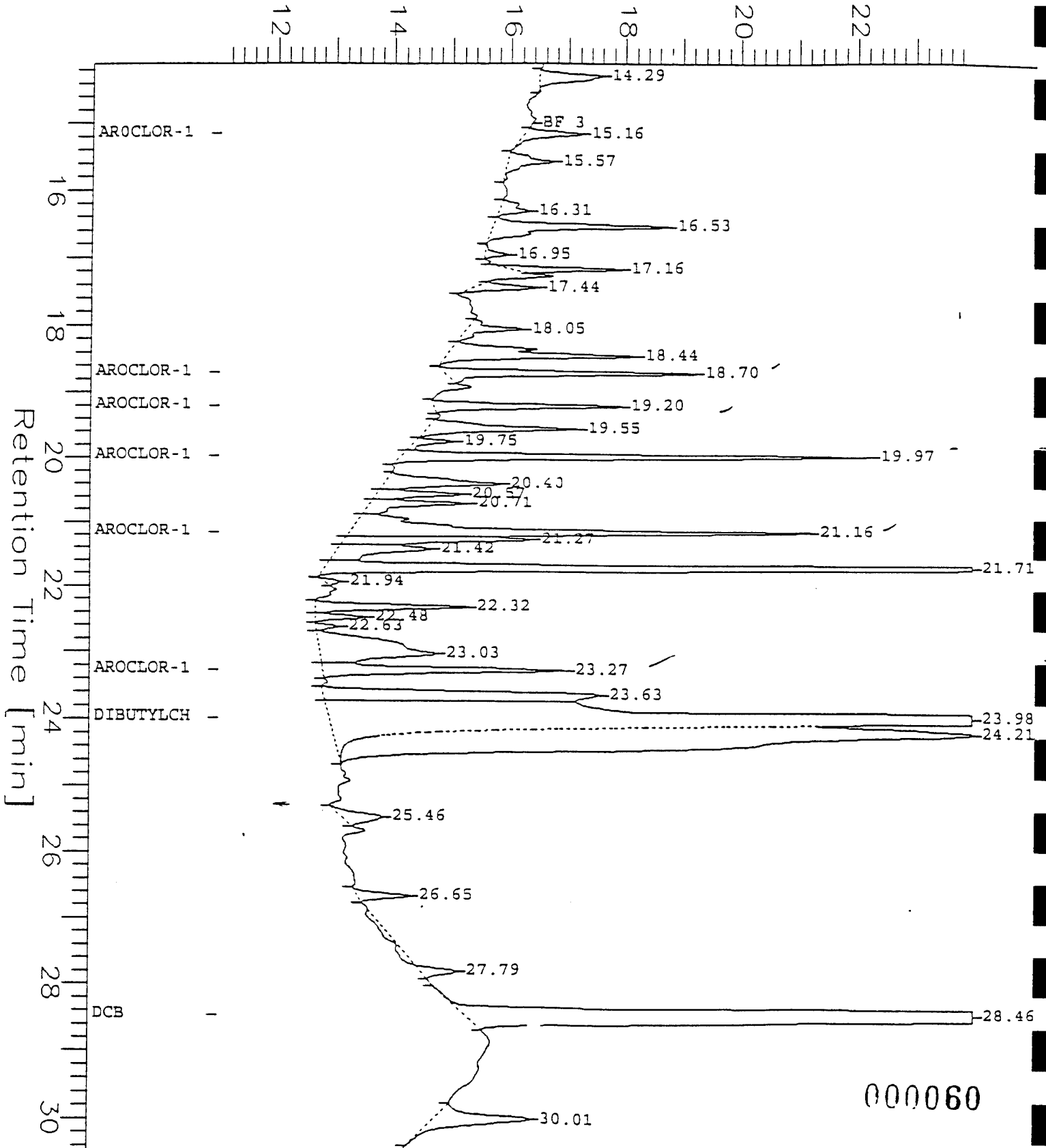
Sample Name : 2350504
FileName : C:\2700\DATA4\423B034.raw
Method : hp4.ins
Start Time : 14.10 min
Scale Factor: 0

End Time : 30.51 min
Plot Offset: 11 mV

Sample #: 1-19-1
Date : 4/13/95 10:49
Time of Injection: 4/12/95 11:19
Low Point : 11.00 mV
High Point : 23.98 mV
Plot Scale: 13 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000060

=====
Software Version: 3.2 <16C20>

Sample Name : 2350504

Time : 4/12/95 12:44

Sample Number: 1-19-1

Study : 4-7-95

Operator : PATRICK

Instrument : 970-4-HP-4

Channel : B

A/D mV Range : 1000

Integrator : HP 7673A

Flow/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 11:19

Play Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B034.raw

Result File : c:\2700\data4\423B034.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 5000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

=====
PEST-PCB REPORT DB-1701

=====
4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C
=====

| Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|----------|----------------------|-----------------|---------------------|---------------------|-------------------|------------------------|
| 1 | 5.11 | 5929 | 1715 BB | 1000000 | 0.0059 | 0.000 | | | |
| 2 | 6.69 | 5178 | 1252 BB | 1000000 | 0.0052 | 0.000 | | | |
| 3 | 8.07 | 358867 | 91835 BB | 7158474 | 0.0501 | 33.423 | | | TCX 100% |
| 4 | 9.60 | 6554 | 1424 BB | 1000000 | 0.0066 | 0.000 | | | |
| 5 | 10.19 | 13245 | 3156 BB | 1000000 | 0.0132 | 0.000 | | | |
| 10 | 12.27 | 9188 | 1759 BB | 1000000 | 0.0092 | 0.000 | | | |
| 14 | 14.29 | 8146 | 1089 BB | 1000000 | 0.0082 | 0.000 | | | |
| 15 | 15.16 | 5678 | 994 BB | 1000000 | 0.0057 | 0.000 | | | |
| 16 | 15.57 | 6229 | 787 BB | 1000000 | 0.0062 | 0.000 | | | |
| 17 | 16.53 | 19194 | 3048 VB | 1000000 | 0.0192 | 0.000 | | | |
| 20 | 17.16 | 7176 | 1905 BB | 1000000 | 0.0072 | 0.000 | | | |
| 21 | 17.44 | 5286 | 1108 BB | 1000000 | 0.0053 | 0.000 | | | |
| 22 | 18.05 | 5918 | 962 BV | 1000000 | 0.0059 | 0.000 | | | |
| 23 | 18.44 | 23262 | 3304 VB | 1000000 | 0.0233 | 0.000 | | | |
| 24 | 18.70 | 20268 | 4374 BB | 1000000 | 0.0203 | 0.000 | | | |
| 25 | 19.20 | 15898 | 3260 BB | 1000000 | 0.0159 | 0.000 | | | |
| 26 | 19.55 | 15616 | 2612 BB | 1000000 | 0.0156 | 0.000 | | | |
| 27 | 19.97 | 38981 | 8126 VB | 1000000 | 0.0390 | 0.000 | | | |
| 28 | 20.40 | 14407 | 2007 BV | 1000000 | 0.0144 | 0.000 | | | |
| 29 | 20.57 | 7907 | 1479 VV | 1000000 | 0.0079 | 0.000 | | | |
| 31 | 20.71 | 10423 | 1694 VV | 1000000 | 0.0104 | 0.000 | | | |
| 32 | 21.16 | 54555 | 7976 VV | 1000000 | 0.0546 | 0.000 | | | |
| 33 | 21.27 | 17259 | 3205 VV | 1000000 | 0.0173 | 0.000 | | | |
| 34 | 21.42 | 13557 | 1595 VV | 1000000 | 0.0136 | 0.000 | | | |
| 35 | 21.71 | 108520 | 24243 VB | 1000000 | 0.1085 | 0.000 | | | |
| 37 | 22.32 | 13242 | 2597 BV | 1000000 | 0.0132 | 0.000 | | | |
| 40 | 23.03 | 32535 | 1975 VV | 1000000 | 0.0325 | 0.000 | | | |
| 41 | 23.27 | 23291 | 4171 VB | 1000000 | 0.0233 | 0.000 | | | |
| 42 | 23.63 | 41373 | 4751 BV | 1000000 | 0.0414 | 0.000 | | | |
| 43 | 23.98 | 586647 | 99197 VE | 6073794 | 0.0966 | 64.394 | | | DIBUTYLCHLORENDATE 97% |
| 44 | 24.21 | 171252 | 9862 EB | 1000000 | 0.1713 | 0.000 | | | |
| 45 | 25.46 | 5921 | 678 BB | 1000000 | 0.0059 | 0.000 | | | |
| 46 | 28.46 | 435260 | 59163 BB | 9385506 | 0.0464 | 30.919 | | | DCB 93% |
| 47 | 30.01 | 16726 | 1676 BB | 1000000 | 0.0167 | 0.000 | | | |
| 48 | 31.96 | 5232 | 168 BB | 1000000 | 0.0052 | 0.000 | | | |
| 51 | 32.93 | 9437 | 397 BB | 1000000 | 0.0094 | 0.000 | | | |

2138163 359543

0.9505

128.736

000061

Vic 4/12/95

Sample Name : 2350504

FileName : c:\2700\data4\423A034.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor : -1

End Time : 35.00 min

Plot Offset: 18 mV

Sample #: 1-19-1

Date : 4/12/95 12:43

Time of Injection: 4/12/95 11:19

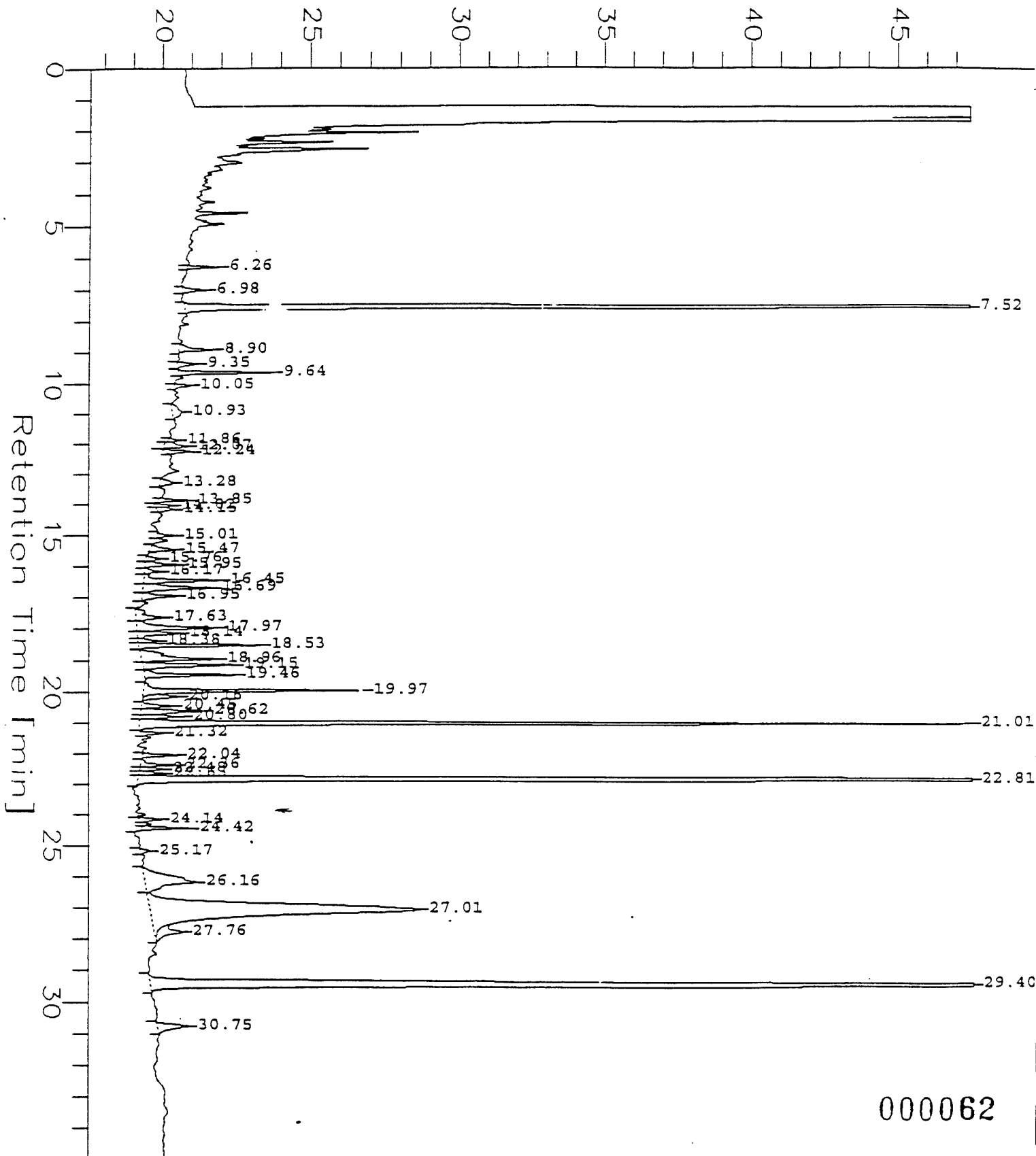
Low Point : 17.48 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 47.48 mV

1.0ul inj/column Response[mV]



000062

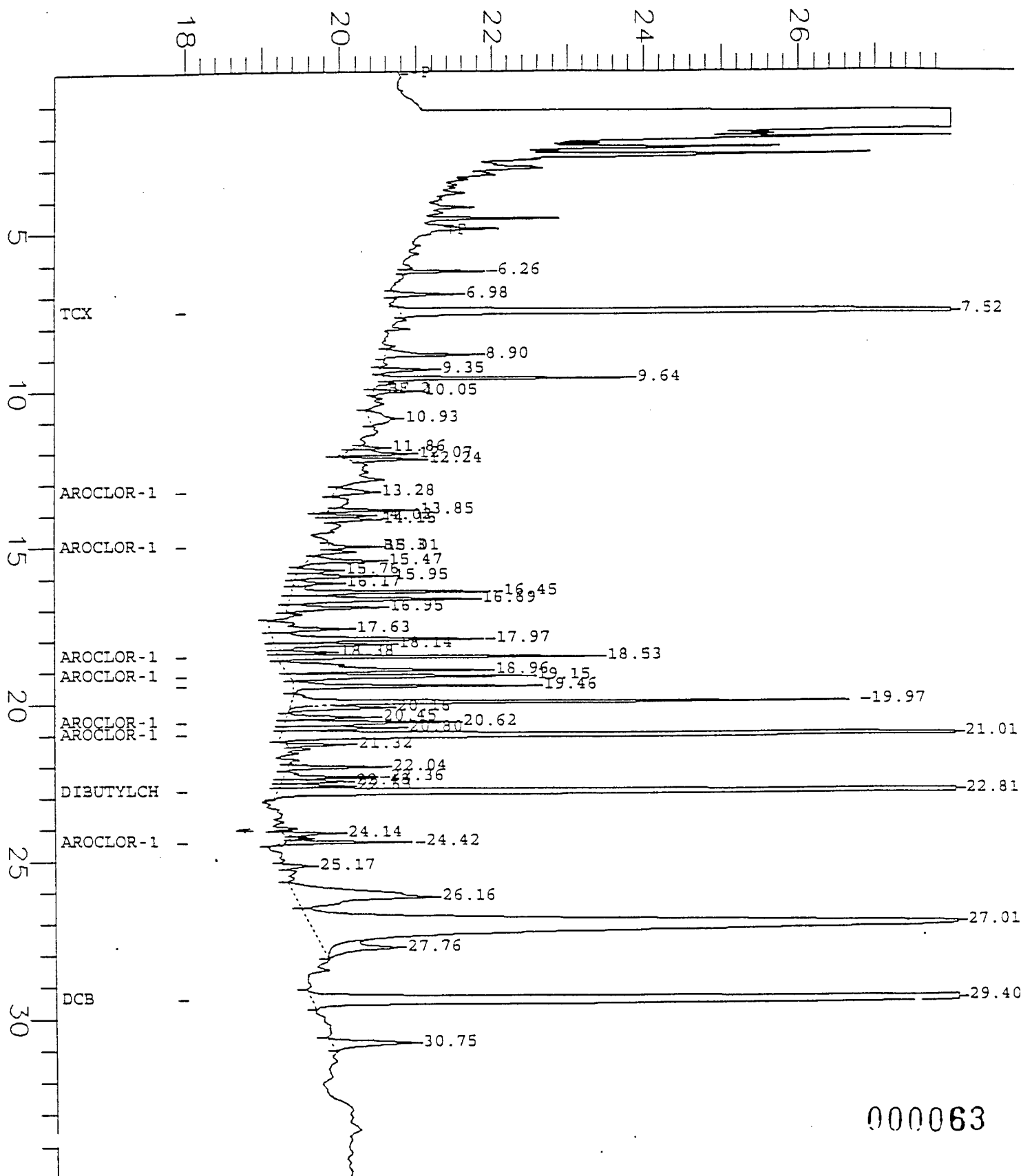
Sample Name : 2350504
FileName : C:\2700\DATA4\423A034.raw
Method : hp4.ins
Start Time : 0.01 min
Scale Factor : 0

End Time : 35.00 min
Plot Offset : 18 mV

Sample #: 1-19-1
Date : 4/13/95 11:35
Time of Injection: 4/12/95 11:19
Low Point : 18.00 mV
High Point : 28.00 mV
Plot Scale : 10 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000063

=====

Software Version: 3.2 <16C20>

Sample Name : 2350504

Sample Number: 1-19-1

Operator : PATRICK

Time : 4/12/95 12:42

Study : 4-7-95

Instrument : 970-4+HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : A

A/D mV Range : 1000

Interface Serial # : 0187572363

Data Acquisition Time: 4/12/95 11:19

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423A034.raw

Result File : c:\2700\data4\423A034.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\401.prc

Sample File : c:\2700\data\423AN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 6000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

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PEST-PCB REPORT DB-608

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HP4-A DB608 30M X 0.53 MM ID 150 C TO 275 C

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| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|----------------|----------------|---------------|-------------|----|-------------------|--------------|------------------|------------------|-----------------------|---------------------|
| 3 | 7.52 | 412512 | 94738 | BB | 8548369 | 0.0483 | 32.172 | | TCX 97% | |
| 4 | 8.90 | 6839 | 1191 | BB | 1000000 | 0.0068 | 0.000 | | | |
| 6 | 9.64 | 13937 | 3201 | BB | 1000000 | 0.0139 | 0.000 | | | |
| 17 | 15.47 | 6105 | 913 | BB | 1000000 | 0.0061 | 0.000 | | | |
| 19 | 15.95 | 6574 | 1135 | VV | 1000000 | 0.0066 | 0.000 | | | |
| 21 | 16.45 | 16204 | 2635 | VV | 1000000 | 0.0162 | 0.000 | | | |
| 22 | 16.69 | 17439 | 2387 | VV | 1000000 | 0.0174 | 0.000 | | | |
| 23 | 16.95 | 8103 | 1183 | VB | 1000000 | 0.0081 | 0.000 | | | |
| 24 | 17.63 | 9568 | 970 | BV | 1000000 | 0.0096 | 0.000 | | | |
| 25 | 17.97 | 20733 | 2774 | VV | 1000000 | 0.0207 | 0.000 | | | |
| 26 | 18.14 | 9178 | 1466 | VV | 1000000 | 0.0092 | 0.000 | | | |
| 28 | 18.53 | 21833 | 4176 | VB | 1000000 | 0.0218 | 0.000 | | | |
| 29 | 18.96 | 22860 | 2598 | BV | 1000000 | 0.0229 | 0.000 | | | |
| 30 | 19.15 | 17640 | 3097 | VB | 1000000 | 0.0176 | 0.000 | | | |
| 31 | 19.46 | 16848 | 3149 | BB | 1000000 | 0.0169 | 0.000 | | | |
| 32 | 19.97 | 40846 | 7406 | BE | 1000000 | 0.0409 | 0.000 | | | |
| 33 | 20.16 | 7293 | 1210 | EV | 1000000 | 0.0073 | 0.000 | | | |
| 35 | 20.62 | 14056 | 2180 | VV | 1000000 | 0.0141 | 0.000 | | | |
| 36 | 20.80 | 8428 | 1488 | VV | 1000000 | 0.0084 | 0.000 | | | |
| 37 | 21.01 | 156313 | 29198 | VB | 1000000 | 0.1563 | 0.000 | | | |
| 40 | 22.36 | 6540 | 1240 | VV | 1000000 | 0.0065 | 0.000 | | | |
| 43 | 22.81 | 466774 | 90091 | VB | 12933000 | 0.0361 | 24.062 | | DIBUTYLCHLORENDATE 36 | |
| 45 | 24.42 | 7748 | 1711 | BB | 1000000 | 0.0078 | 0.000 | | | |
| 47 | 26.16 | 35643 | 1756 | BV | 1000000 | 0.0356 | 0.000 | | | |
| 48 | 27.01 | 220323 | 9029 | VE | 1000000 | 0.2203 | 0.000 | | | |
| 49 | 27.76 | 10551 | 849 | EB | 1000000 | 0.0106 | 0.000 | | | |
| 50 | 29.40 | 401921 | 47514 | BB | 8791037 | 0.0457 | 30.481 | | DCB 91% | |
| 51 | 30.75 | 10333 | 1056 | BB | 1000000 | 0.0103 | 0.000 | | | |
| 1993144 320338 | | | | | | 0.8420 | 86.716 | | | |

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NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *4/13/95* REVIEWED BY. *[Signature]*

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000064

Software Version: 3.2 <16C20>

Date: 4/13/95 10:56

Sample Name : 2350504

Data File : c:\2700\data4\423BC34.raw Date: 4/12/95 11:19

Sequence File: C:\2700\DATA4\423.seq Cycle: 34 Channel : B

Instrument : 970-4 HP-4 Rack/Vial: 0/0 Operator: PATRICK

Sample Amount : 30.0000 Dilution Factor : 1.00

PCB WORKSHEET DB-1701

P4B DB1701 30M X 0.53 MM ID 150 C,275 C

WL=570

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Component Name |
|--------|----------------|---------------|-------------|-------------------|--------------|------------------|--------------------|
| 5 | 8.07 | 358867 | 91835 | 6686064 | 0.0537 | 35.8 | TCX |
| 8 | 10.19 | 13245 | 3156 | 161010 | 0.0823 | 54.8 | AROCLOR-1016 |
| 1 | 13.13 | 1345 | 231 | 618283 | 0.0022 | 1.5 | AROCLOR-1016-3 |
| 5 | 15.16 | 5678 | 994 | 312547 | 0.0182 | 12.1 | AROCLOR-1016-6 |
| 4 | 18.70 | 20268 | 4374 | 301904 | 0.0671 | 44.8 | AROCLOR-1260 |
| 25 | 19.20 | 15898 | 3260 | 468975 | 0.0339 | 22.6 | AROCLOR-1260-2 |
| 28 | 19.97 | 38981 | 8126 | 554281 | 0.0703 | 46.9 | AROCLOR-1260-3 |
| 2 | 21.16 | 54555 | 7976 | 699411 | 0.0780 | 52.0 | AROCLOR-1260-4 |
| 1 | 23.27 | 23291 | 4171 | 778075 | 0.0299 | 20.0 | AROCLOR-1260-5 |
| 3 | 23.98 | 586647 | 99197 | 5649152 | 0.1039 | 69.2 | DIBUTYLCHLORENDATE |
| 48 | 28.46 | 435260 | 59163 | 9004643 | 0.0483 | 32.2 | DCB |
| | | | | 1554036 | 282483 | 0.5878 | 391.9 |

Z=57PB

=34PB (PRY)

PREPARED BY. y/c u/13/95

REVIEWED BY. P.

000065

=====

Software Version: 3.2 <16C20>

Date: 4/13/95 10:24

Sample Name : 2350504

Data File : c:\2700\data4\423A034.raw Date: 4/12/95 11:19

Sequence File: C:\2700\DATA4\423.seq Cycle: 34 Channel : A

Instrument : 970-4-HP-4 Rack/Vial: 0/0 Operator: PATRICK

Sample Amount : 30.0000 Dilution Factor : 1.00

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PCB WORKSHEET DB-608

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HP4A DB608 30M X 0.53 MM ID 150 C,275 C

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| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Component Name |
|----------------|----------------|---------------|-------------|-------------------|--------------|-----------------|--------------------|
| 3 | 7.52 | 412512 | 94738 | 8090921 | 0.0510 | 34.0 | TCX |
| 12 | 13.28 | 4215 | 479 | 277217 | 0.0152 | 10.1 | AROCLOR-1260-1 |
| 16 | 15.01 | 2636 | 581 | 279871 | 0.0094 | 6.3 | AROCLOR-1260-2 |
| 28 | 18.53 | 21833 | 4176 | 319055 | 0.0684 | 45.6 | AROCLOR-1260 |
| 30 | 19.15 | 17640 | 3097 | 572189 | 0.0308 | 20.6 | AROCLOR-1260-2 |
| 31 | 19.46 | 16848 | 3149 | 582291 | 0.0289 | 19.3 | AROCLOR-1260-3 |
| 35 | 20.62 | 14056 | 2180 | 378134 | 0.0372 | 24.8 | AROCLOR-1260-4 |
| 37 | 21.01 | 156313 | 29198 | 526463 | 0.2969 | 198.0 | AROCLOR-1260-5 |
| 43 | 22.81 | 466774 | 90091 | 12287000 | 0.0380 | 25.3 | DIBUTYLCHLORENDATE |
| 45 | 24.42 | 7748 | 1711 | 423843 | 0.0183 | 12.2 | AROCLOR-1260-6 |
| 50 | 29.40 | 401921 | 47514 | 8378933 | 0.0480 | 32.0 | DCB |
| 1522497 276913 | | | | | 0.6421 | 428.1 | |

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PREPARED BY... 4/13/95

REVIEWED BY... 4/13/95

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000066

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-19-2
CONC. LEVEL: LOW LAB SAMPLE ID: 2350505
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 6

| | | UG/KG (DRY BASIS) | |
|--------|------------|----------------------|------|
| CMPD # | CAS Number | PCB COMPOUND | |
| 1 | 12674-11-2 | Aroclor-1016 | 85 U |
| 2 | 11104-28-2 | Aroclor-1221 | 85 U |
| 3 | 11141-16-5 | Aroclor-1232 | 85 U |
| 4 | 53469-21-9 | Aroclor-1242 | 85 U |
| 5 | 12672-29-6 | Aroclor-1248 | 85 U |
| 6 | 11097-69-1 | Aroclor-1254 | 85 U |
| 7 | 11096-82-5 | Aroclor-1260 | 85 U |

000067

Sample Name : 2350505

FileName : C:\2700\DATA4\4238035.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor: -1

End Time : 35.00 min

Plot Offset: 11 mV

Sample #: 1-19-2

Date : 4/13/95 10:56

Time of Injection: 4/12/95 12:03

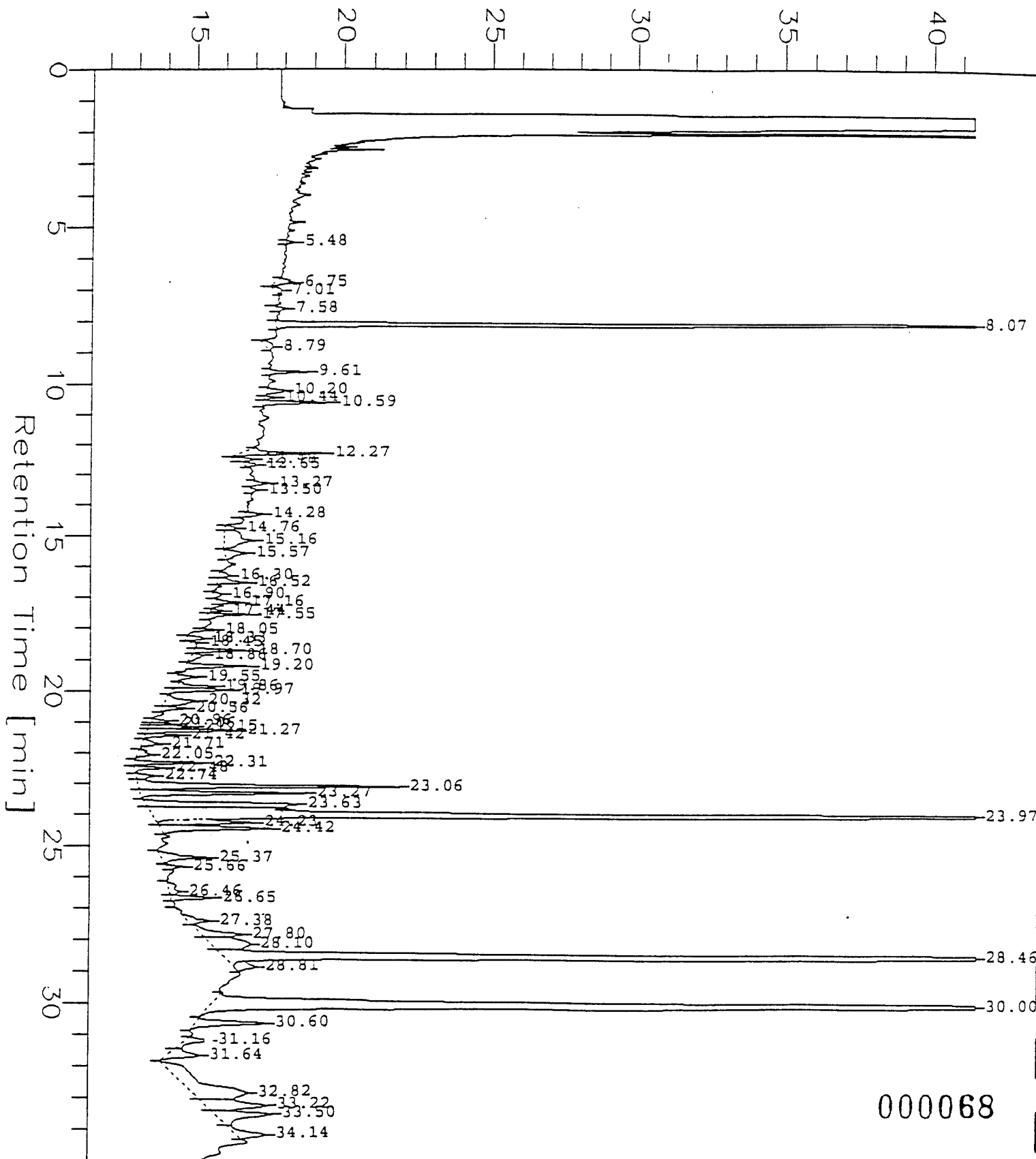
Low Point : 11.39 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 41.39 mV

1.0ul inj/column Response[mV]



000068

Software Version: 3.2 <16C20>

Sample Name : 2350505
Sample Number: 1-19-2
Operator : PATRICK

Time : 4/12/95 12:46
Study : 4-7-95

Instrument : 970-4-HP-4
AutoSampler : HP 7673A
Puck/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 12:03
Delay Time : 0.00 min.
End Time : 35.00 min.
Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B035.raw
Result File : c:\2700\data4\423B035.rst
Instrument File: c:\2700\data\hp4.ins
Process File : c:\2700\data\402.prc
Sample File : c:\2700\data\423BN-60.smp
Sequence File : C:\2700\DATA4\423.seq

inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 30.0000 Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| Peak | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|------|-------------------|------------------|----------------|----|----------------------|-----------------|---------------------|---------------------|-------------------|------------------------|
| 2 | 6.75 | 5143 | 693 | BB | 1000000 | 0.0051 | 0.000 | | | |
| | 8.07 | 361321 | 93437 | BB | 7158474 | 0.0505 | 33.651 | | | |
| | 9.61 | 5265 | 1296 | BB | 1000000 | 0.0053 | 0.000 | | | |
| | 10.59 | 11300 | 2316 | VB | 1000000 | 0.0113 | 0.000 | | | |
| | 12.27 | 16257 | 2908 | BB | 1000000 | 0.0163 | 0.000 | | | |
| 18 | 15.16 | 19651 | 1035 | VB | 1000000 | 0.0197 | 0.000 | | | |
| | 15.57 | 6814 | 739 | BB | 1000000 | 0.0068 | 0.000 | | | |
| | 16.52 | 6770 | 1057 | VB | 1000000 | 0.0068 | 0.000 | | | |
| | 17.55 | 6728 | 1515 | BB | 1000000 | 0.0067 | 0.000 | | | |
| | 18.45 | 5919 | 581 | VV | 1000000 | 0.0059 | 0.000 | | | |
| 29 | 18.70 | 13272 | 2321 | VV | 1000000 | 0.0133 | 0.000 | | | |
| | 18.86 | 10900 | 862 | VV | 1000000 | 0.0109 | 0.000 | | | |
| | 19.20 | 18372 | 2561 | VV | 1000000 | 0.0184 | 0.000 | | | |
| | 19.55 | 6836 | 874 | VV | 1000000 | 0.0068 | 0.000 | | | |
| | 19.86 | 12067 | 1605 | VV | 1000000 | 0.0121 | 0.000 | | | |
| 34 | 19.97 | 11880 | 2156 | VV | 1000000 | 0.0119 | 0.000 | | | |
| 35 | 20.32 | 12135 | 1170 | VV | 1000000 | 0.0121 | 0.000 | | | |
| | 21.15 | 11328 | 1585 | VV | 1000000 | 0.0113 | 0.000 | | | |
| | 21.27 | 15242 | 3095 | VV | 1000000 | 0.0152 | 0.000 | | | |
| | 21.42 | 5982 | 1259 | VV | 1000000 | 0.0060 | 0.000 | | | |
| 43 | 22.31 | 11202 | 2397 | BB | 1000000 | 0.0112 | 0.000 | | | |
| 44 | 22.48 | 5339 | 1099 | BV | 1000000 | 0.0053 | 0.000 | | | |
| | 23.06 | 61262 | 8848 | VV | 1000000 | 0.0613 | 0.000 | | | |
| | 23.27 | 35076 | 5692 | VB | 1000000 | 0.0351 | 0.000 | | | |
| | 23.63 | 48220 | 5219 | BV | 1000000 | 0.0482 | 0.000 | | | |
| 49 | 23.97 | 569693 | 102966 | VE | 6073794 | 0.0938 | 62.533 | | | |
| 50 | 24.23 | 22462 | 3280 | EV | 1000000 | 0.0225 | 0.000 | | | |
| | 24.42 | 29116 | 3806 | VB | 1000000 | 0.0291 | 0.000 | | | |
| | 25.37 | 13630 | 1656 | BB | 1000000 | 0.0136 | 0.000 | | | |
| | 26.46 | 5536 | 326 | BV | 1000000 | 0.0055 | 0.000 | | | |
| 55 | 26.65 | 8296 | 1431 | VB | 1000000 | 0.0083 | 0.000 | | | |
| 56 | 27.38 | 7252 | 725 | BV | 1000000 | 0.0073 | 0.000 | | | |
| | 27.80 | 13995 | 1394 | VV | 1000000 | 0.0141 | 0.000 | | | |
| | 28.10 | 26911 | 1335 | VV | 1000000 | 0.0269 | 0.000 | | | |
| | 28.46 | 457058 | 61088 | VE | 9385506 | 0.0487 | 32.467 | | | |
| 60 | 28.81 | 7970 | 717 | EB | 1000000 | 0.0080 | 0.000 | | | |
| 61 | 30.00 | 497001 | 53384 | BB | 1000000 | 0.4970 | 0.000 | | | |
| | 30.60 | 20655 | 2393 | BB | 1000000 | 0.0207 | 0.000 | | | |
| | 31.16 | 8280 | 788 | BV | 1000000 | 0.0083 | 0.000 | | | |
| | 31.64 | 12888 | 1124 | VB | 1000000 | 0.0129 | 0.000 | | | |

TCX 101.7
10
very low concentration
4/12/95

DIBUTYLCHLORENDATE 0000
0

DCB 47.4%
000069

| | | | | | | |
|----|-------|-------|---------|---------|--------|-------|
| 65 | 32.92 | 65774 | 1874 BV | 1000000 | 0.0658 | 0.000 |
| 66 | 33.22 | 30704 | 2072 VV | 1000000 | 0.0307 | 0.000 |
| 67 | 33.50 | 25441 | 1933 VV | 1000000 | 0.0254 | 0.000 |
| 68 | 34.14 | 11548 | 1000 VB | 1000000 | 0.0116 | 0.000 |

2558531 389614

1.3634

128.652

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NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. *1.60/2/11* REVIEWED BY. *AS*

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000070

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: 1-24-1
CONC. LEVEL: LOW LAB SAMPLE ID: 2350506
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: 4

| | | | UG/KG |
|--------|------------|--------------|-------------|
| CMPD # | CAS Number | PCB COMPOUND | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 83 U |
| 2 | 11104-28-2 | Aroclor-1221 | 83 U |
| 3 | 11141-16-5 | Aroclor-1232 | 83 U |
| 4 | 53469-21-9 | Aroclor-1242 | 83 U |
| 5 | 12672-29-6 | Aroclor-1248 | 83 U |
| 6 | 11097-69-1 | Aroclor-1254 | 83 U |
| 7 | 11096-82-5 | Aroclor-1260 | 83 U |

000071

Sample Name : 2350506

FileName : c:\2700\data4\423B036.raw

Method : hp4.ins

Start Time : 0.00 min

Scale Factor: -1

End Time : 35.00 min

Plot Offset: 13 mV

Sample #: 1-24-1

Date : 4/12/95 13:23

Time of Injection: 4/12/95 12:48

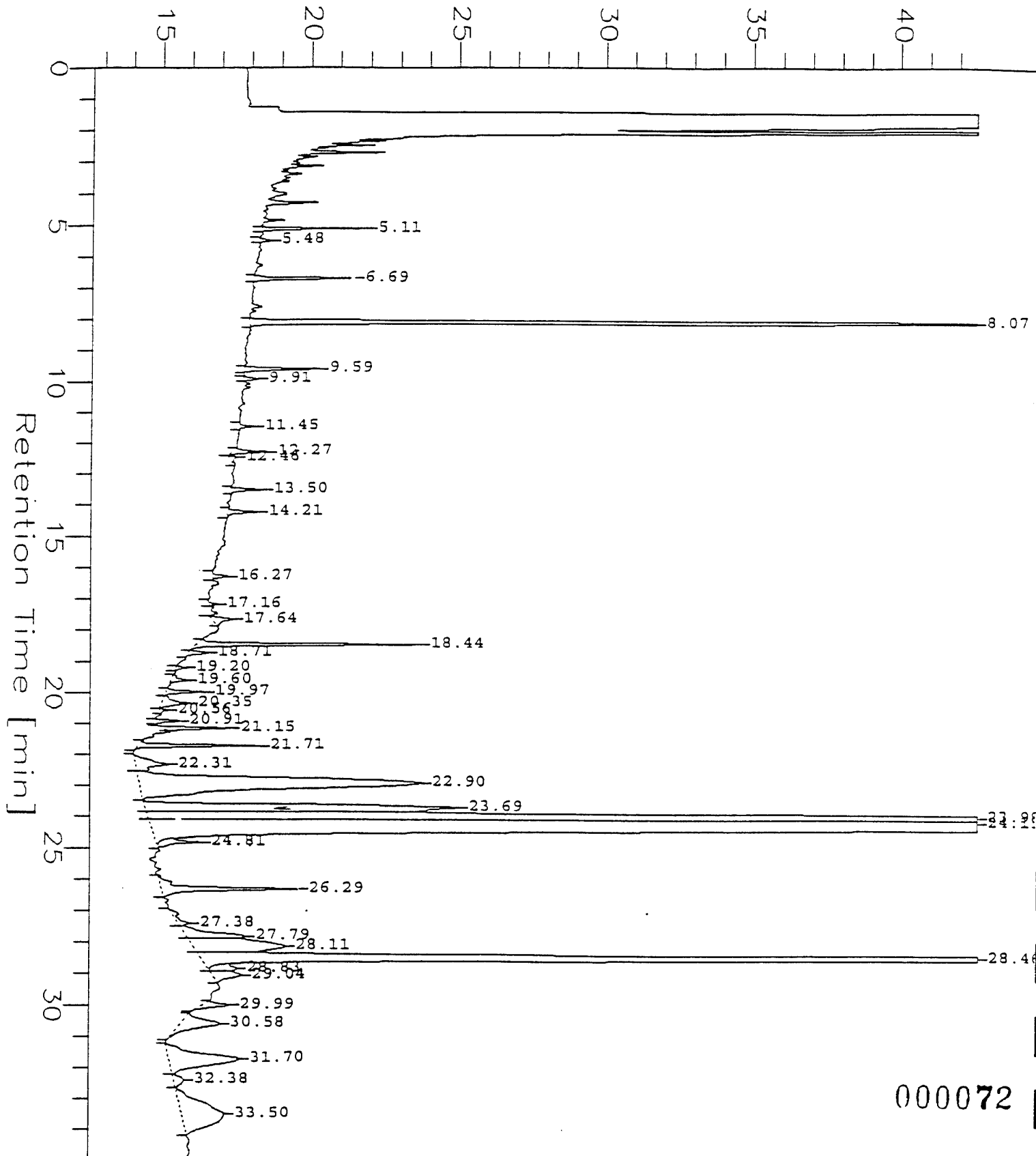
Low Point : 12.58 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 42.58 mV

1.0ul inj/column Response[mV]



000072

Software Version: 3.2 <16C20>

Sample Name : 2350506

Sample Number: 1-24-1

Operator : PATRICK

Time : 4/12/95 13:23

Study : 4-7-95

Instrument : 970-4T-HP-4

AutoSampler : HP 7673A

Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 12:48

Delay Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B036.raw

Result File : c:\2700\data4\423B036.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\402.prc

Sample File : c:\2700\data\423BN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Sample Amount : 30.0000

Area Reject : 5000.00

Dilution Factor : 1.00

PEST-PCB REPORT DB-1701

4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

| < Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|---------------------|------------------|----------------|----|----------------------|-----------------|---------------------|---------------------|----------------------------------|------------------------|
| 5.11 | 12142 | 3557 | BB | 1000000 | 0.0121 | 0.000 | | | |
| 6.69 | 13527 | 3370 | BB | 1000000 | 0.0135 | 0.000 | | | |
| 8.07 | 423557 | 108494 | BB | 7158474 | 0.0592 | 39.448 | | TCX 118% | |
| 9.59 | 12234 | 2512 | BB | 1000000 | 0.0122 | 0.000 | | | |
| 12.27 | 6164 | 1204 | BB | 1000000 | 0.0062 | 0.000 | | | |
| 13.50 | 5011 | 1078 | BB | 1000000 | 0.0050 | 0.000 | | | |
| 14.21 | 5085 | 1022 | BB | 1000000 | 0.0051 | 0.000 | | | |
| 17.64 | 5596 | 728 | BB | 1000000 | 0.0056 | 0.000 | | | |
| 18.44 | 35800 | 7564 | BB | 1000000 | 0.0358 | 0.000 | | | |
| 19.97 | 6329 | 1306 | VV | 1000000 | 0.0063 | 0.000 | | | |
| 20.35 | 8743 | 914 | VB | 1000000 | 0.0087 | 0.000 | | | |
| 21.15 | 10184 | 2307 | BB | 1000000 | 0.0102 | 0.000 | | | |
| 21.71 | 19165 | 4141 | BB | 1000000 | 0.0192 | 0.000 | | | |
| 22.31 | 16301 | 1122 | BV | 1000000 | 0.0163 | 0.000 | | | |
| 22.90 | 226323 | 9498 | VB | 1000000 | 0.2263 | 0.000 | | | |
| 23.69 | 137876 | 10554 | BV | 1000000 | 0.1379 | 0.000 | | | |
| 23.98 | 1200174 | 197685 | VV | 6073794 | 0.1976 | 131.739 | | DIBUTYLCHLORENDATE 118% (I) 52 B | |
| 24.15 | 1313558 | 78291 | VE | 1000000 | 1.3136 | 0.000 | | | |
| 24.81 | 10679 | 1434 | EB | 1000000 | 0.0107 | 0.000 | | | |
| 26.29 | 37756 | 4628 | BB | 1000000 | 0.0378 | 0.000 | | | |
| 27.38 | 5817 | 411 | BV | 1000000 | 0.0058 | 0.000 | | | |
| 27.79 | 24509 | 1986 | VV | 1000000 | 0.0245 | 0.000 | | | |
| 28.11 | 65325 | 3099 | VV | 1000000 | 0.0653 | 0.000 | | | |
| 28.46 | 664608 | 86838 | VE | 9385506 | 0.0708 | 47.211 | | DCB 142% | |
| 28.83 | 9863 | 886 | EV | 1000000 | 0.0099 | 0.000 | | | |
| 29.04 | 12394 | 958 | VB | 1000000 | 0.0124 | 0.000 | | | |
| 29.99 | 7284 | 921 | BB | 1000000 | 0.0073 | 0.000 | | | |
| 30.58 | 24180 | 1326 | BB | 1000000 | 0.0242 | 0.000 | | | |
| 31.70 | 60389 | 2356 | BV | 1000000 | 0.0604 | 0.000 | | | |
| 32.38 | 5427 | 344 | VV | 1000000 | 0.0054 | 0.000 | | | |
| 33.50 | 71790 | 1425 | VB | 1000000 | 0.0718 | 0.000 | | | |
| 4457789 | 541957 | | | | 2.4976 | 218.397 | | | 000073 |

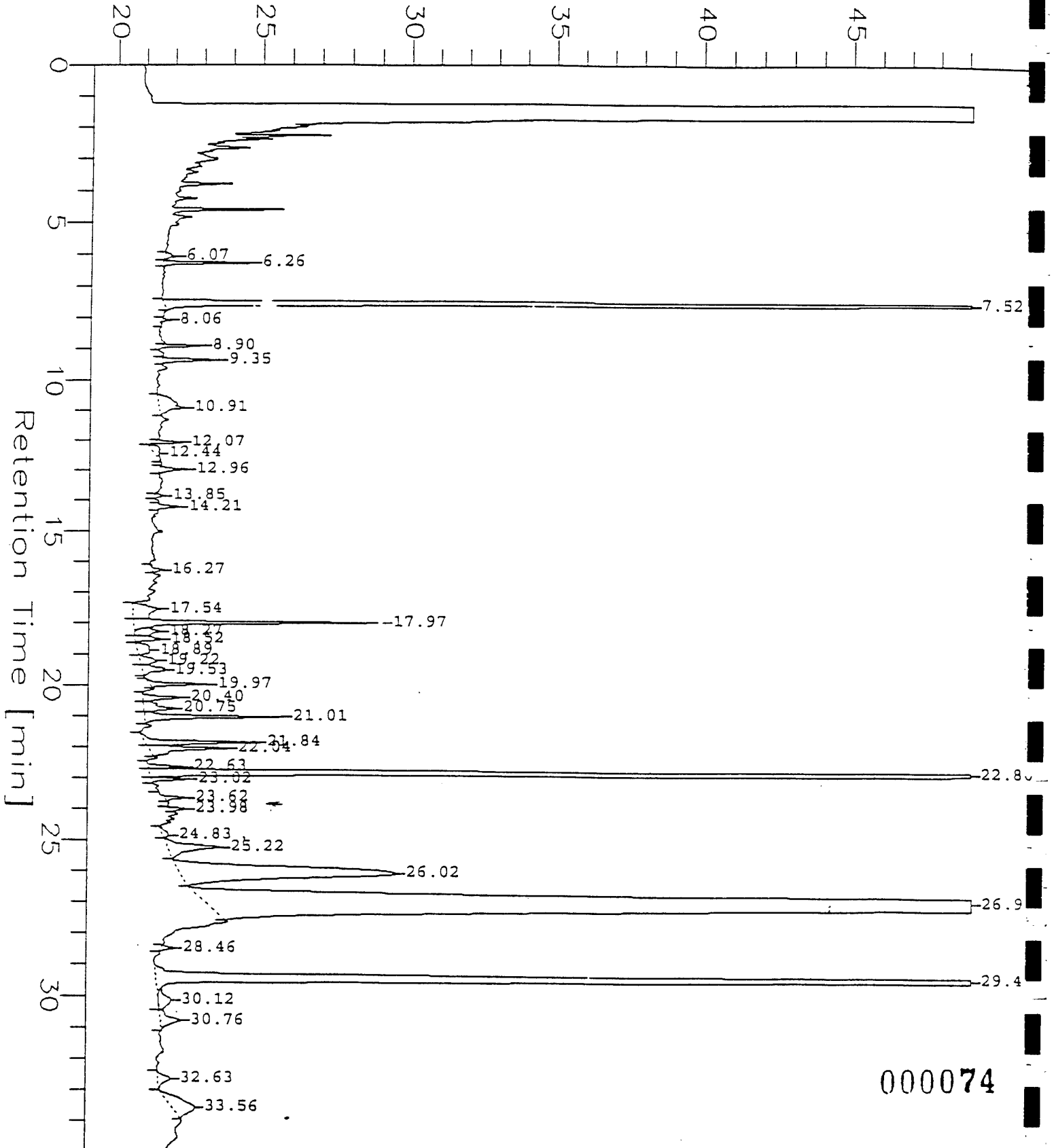
=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: J. H. W. REVIEWED BY: J. H. W.

Sample Name : 2350506
 FileName : c:\2700\data4\423A036.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 19 mV

Sample #: 1-24-1
 Date : 4/13/95 12:19
 Time of Injection: 4/12/95 12:48
 Low Point : 19.11 mV
 Plot Scale: 30 mV
 Page 1 of 1
 High Point : 49.11 mV

1.0ul inj/column Response[mV]



000074

Software Version: 3.2 <16C20>

Sample Name : 2350506

Time : 4/13/95 12:21

Sample Number: 1-24-1

Study : 4-7-95

Operator : PATRICK

Instrument : 970-4T-HP-4

Channel : A

A/D mV Range : 1000

AutoSampler : HP 7673A

Blank/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 12:48

Play Time : 0.00 min.

End Time : 35.00 min.

Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423A036.raw

Result File : c:\2700\data4\423A036.rst

Instrument File: c:\2700\data\hp4.ins

Process File : c:\2700\data\401.prc

Sample File : c:\2700\data\423AN-60.smp

Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul

Area Reject : 6000.00

Sample Amount : 30.0000

Dilution Factor : 1.00

PEST-PCB REPORT DB-608

4-A DB608 30M X 0.53 MM ID 150 C TO 275 C

| Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|-----------|----------------------|-----------------|---------------------|---------------------|--------------------|------------------------|
| 2 | 6.26 | 12362 | 3056 BB | 1000000 | 0.0124 | 0.000 | | | |
| | 7.52 | 507046 | 115099 BB | 8548369 | 0.0593 | 39.545 | | TCX | |
| | 9.35 | 9906 | 1940 BB | 1000000 | 0.0099 | 0.000 | | | |
| | 10.91 | 16888 | 879 BB | 1000000 | 0.0169 | 0.000 | | | |
| 14 | 17.54 | 18201 | 962 BV | 1000000 | 0.0182 | 0.000 | | | |
| 15 | 17.97 | 50822 | 8461 VB | 1000000 | 0.0508 | 0.000 | | | |
| 16 | 18.27 | 9046 | 853 EV | 1000000 | 0.0091 | 0.000 | | | |
| 17 | 18.52 | 7432 | 931 VB | 1000000 | 0.0074 | 7.405 | | | |
| 18 | 18.89 | 8885 | 451 BV | 1000000 | 0.0089 | 13.131 | | | |
| 19 | 19.22 | 7104 | 606 VV | 1000000 | 0.0071 | 8.278 | | | |
| 20 | 19.53 | 8866 | 782 VB | 1000000 | 0.0089 | 15.638 | | | |
| 21 | 19.97 | 10137 | 2002 BB | 1000000 | 0.0101 | 0.000 | | | |
| 22 | 20.40 | 8430 | 1312 BV | 1000000 | 0.0084 | 0.000 | | | |
| 23 | 20.75 | 11575 | 1026 VV | 1000000 | 0.0116 | 0.000 | | | |
| 24 | 21.01 | 29592 | 4719 VB | 1000000 | 0.0296 | 38.293 | | | |
| 25 | 21.84 | 26087 | 3831 BV | 1000000 | 0.0261 | 0.000 | | | |
| 26 | 22.04 | 21215 | 2722 VB | 1000000 | 0.0212 | 0.000 | | | |
| 27 | 22.63 | 6329 | 1235 BV | 1000000 | 0.0063 | 0.000 | | | |
| 28 | 22.80 | 813019 | 157512 VV | 12933001 | 0.0629 | 41.911 | | DIBUTYLCHLORENDATE | 126% (V) |
| 29 | 23.02 | 6322 | 1297 VB | 1000000 | 0.0063 | 0.000 | | | |
| 30 | 25.22 | 23896 | 1819 BB | 1000000 | 0.0239 | 0.000 | | | |
| 31 | 26.02 | 173416 | 7271 BB | 1000000 | 0.1734 | 0.000 | | | |
| 32 | 26.93 | 1511936 | 67638 BB | 1000000 | 1.5119 | 0.000 | | | |
| 33 | 29.40 | 606264 | 70232 BB | 8791037 | 0.0690 | 45.978 | | DCB | |
| 34 | 30.12 | 9978 | 451 EV | 1000000 | 0.0100 | 0.000 | | | |
| 35 | 30.76 | 11105 | 704 VB | 1000000 | 0.0111 | 0.000 | | | |
| 36 | 32.63 | 6255 | 428 BB | 1000000 | 0.0063 | 0.000 | | | |
| 37 | 33.56 | 24020 | 763 BB | 1000000 | 0.0240 | 0.000 | | | |
| | | | | 3956134 | 458981 | 2.2210 | 210.179 | | |

NOT NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: 10/14/95 REVIEWED BY: X

000075

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: EQPBK2
CONC. LEVEL: LOW LAB SAMPLE ID: 2350507
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: NA

| | | | | UG/L |
|--------|------------|--------------|--|--------|
| CMPD # | CAS Number | PCB COMPOUND | | |
| 1 | 12674-11-2 | Aroclor-1016 | | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | | 0.50 U |
| 6 | 11097-69-1 | Aroclor-1254 | | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | | 0.50 U |

000076

4/14/95

Sample Name : 2350507

Sample #: EQPB1K2

FileName : c:\2700\data4\4238041.raw

Date : 4/12/95 17:06

Method : hp4.ins

Time of Injection: 4/12/95 16:31

Start Time : 0.00 min

End Time : 35.00 min

Low Point : 13.07 mV

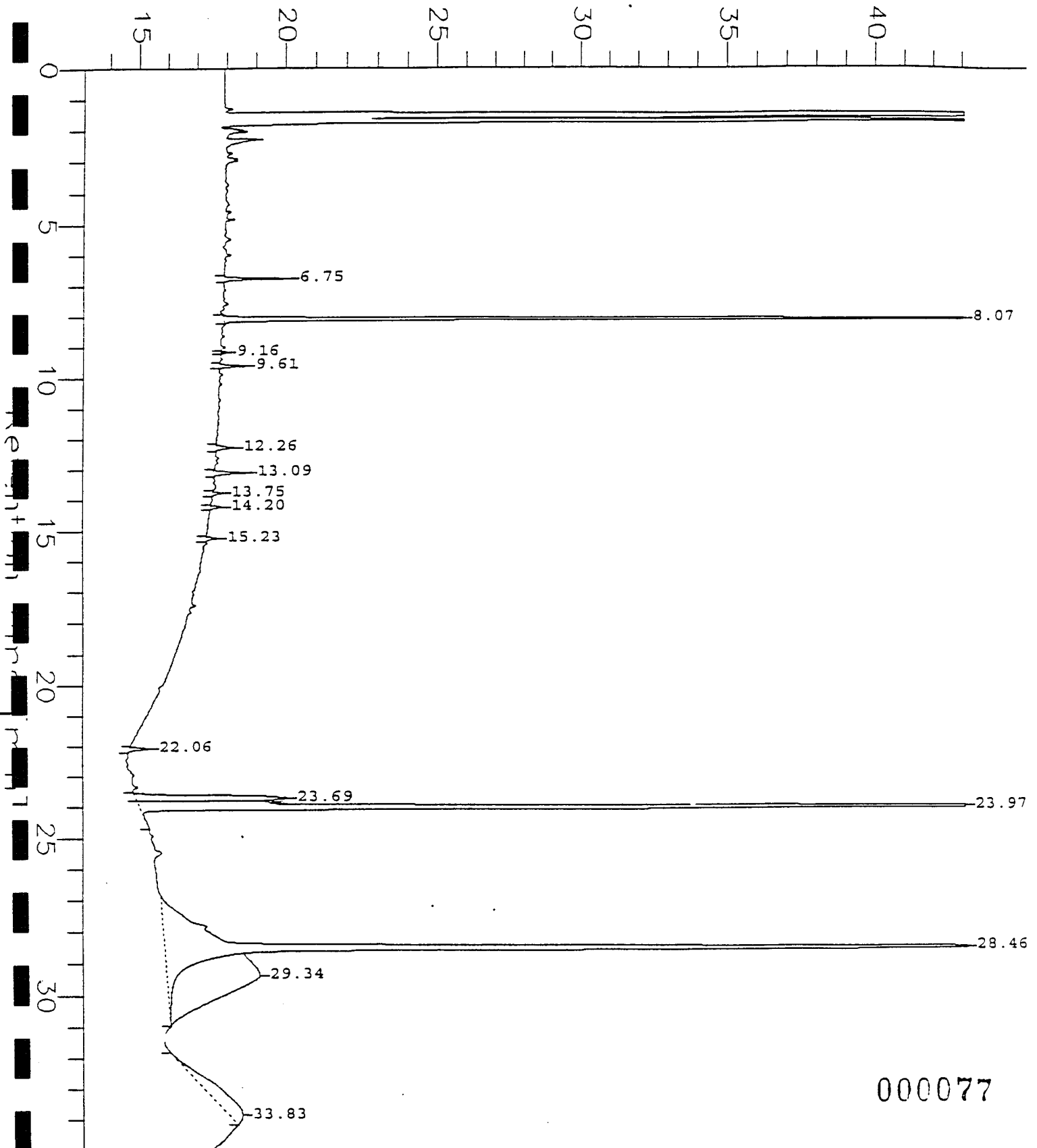
High Point : 43.07 mV

Scale Factor: -1

Plot Offset: 13 mV

Plot Scale: 30 mV

1.0ul inj/column Response[mV]



000077

=====

Software Version: 3.2 <16C20>

Sample Name : 2350507
Sample Number: EQPB&K2 4/14/95
Operator : PATRICK

Time : 4/12/95 17:06
Study : 4-7-95

Instrument : 970-4-HP-4
AutoSampler : HP 7673A
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 16:31
Delay Time : 0.00 min.
End Time : 35.00 min.
Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B041.raw
Result File : c:\2700\data4\423B041.rst
Instrument File: c:\2700\data\hp4.ins
Process File : c:\2700\data\402.prc
Sample File : c:\2700\data\423BN-60.smp
Sequence File : C:\2700\DATA4\423.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 100.0000 Dilution Factor : 1.00

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PEST-PCB REPORT DB-1701

HP4-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Peak # | Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb(Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|--------|----------------|---------------|-------------|----|-------------------|--------------|-----------------|------------------|----------------------------|---------------------|
| 1 | 6.75 | 8474 | 2216 | BB | 1000000 | 0.0085 | 0.000 | | | |
| 2 | 8.07 | 215575 | 55721 | BB | 7158474 | 0.0301 | 0.301 | | | |
| 11 | 23.69 | 55291 | 5172 | BV | 1000000 | 0.0553 | 0.000 | | TCX 60/0 | |
| 12 | 23.97 | 454948 | 85532 | VB | 6073794 | 0.0749 | 0.749 | | | |
| 13 | 28.46 | 446742 | 37983 | BE | 9385506 | 0.0476 | 0.476 | | DISUTYLCHLORENDATE 75% 616 | |
| 14 | 29.34 | 213666 | 2816 | EB | 1000000 | 0.2137 | 0.000 | | DCB 95-07/0 | |
| 15 | 33.83 | 53593 | 455 | BB | 1000000 | 0.0536 | 0.000 | | | |
| | | 1448289 | 189894 | | | 0.4836 | 1.526 | | | |

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NC=NOT CONFIRMED; CON=CONFIRMED; PREPARED BY: G. J. 4/12/95 REVIEWED BY: J. J.

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000078

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: FLDBK2
CONC. LEVEL: LOW LAB SAMPLE ID: 2350508
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: NA
UG/L

| CPD # | CAS Number | PCB COMPOUND | UG/L |
|-------|------------|--------------|--------|
| 1 | 12674-11-2 | Aroclor-1016 | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | 0.50 U |
| 6 | 11097-69-1 | Aroclor-1254 | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | 0.50 U |

000079

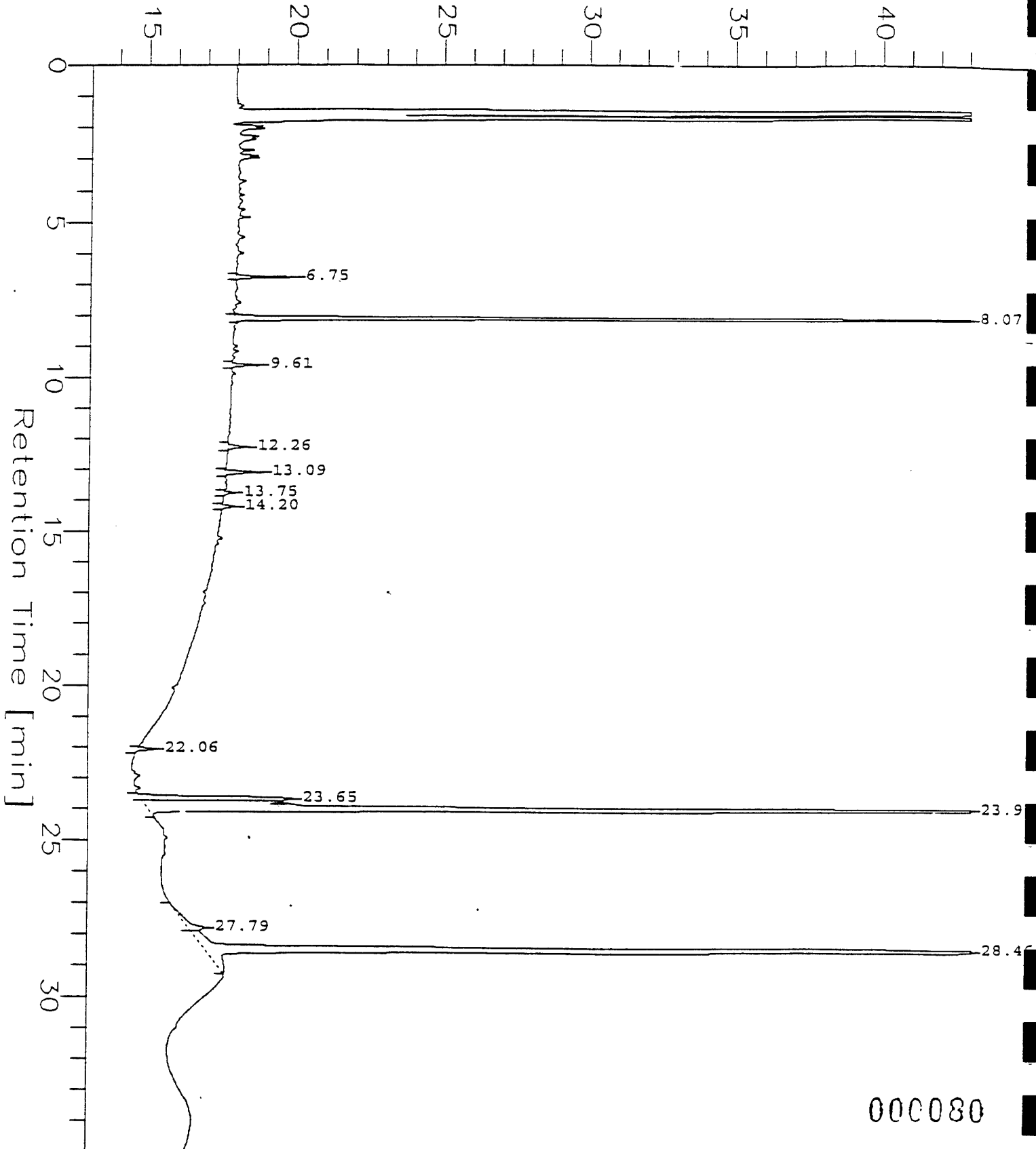
Sample Name : 2350508
 FileName : c:\2700\data4\423B042.raw
 Method : hp4.ins
 Start Time : 0.00 min
 Scale Factor: -1

End Time : 35.00 min
 Plot Offset: 13 mV

Sample #: FLDBK2
 Date : 4/12/95 17:50
 Time of Injection: 4/12/95 17:16
 Low Point : 13.02 mV
 Plot Scale: 30 mV
 High Point : 43.02 mV

Page 1 of 1

1.0ul inj/column Response[mV]



000080

=====

Software Version: 3.2 <16C20>
Sample Name : 2350508 Time : 4/12/95 17:50
Sample Number: FLDBK2 Study : 4-7-95
Operator : PATRICK

Instrument : 970-4:HP-4 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rock/Vial : 0/0

Interface Serial # : 0187572363 Data Acquisition Time: 4/12/95 17:16
Delay Time : 0.00 min.
End Time : 35.00 min.
Sampling Rate : 2.1739 pts/sec

Raw Data File : c:\2700\data4\423B042.raw
Result File : c:\2700\data4\423B042.rst
Instrument File: c:\2700\data\hp4.ins
Process File : c:\2700\data\402.prc
Sample File : c:\2700\data\423BN-60.smp
Sequence File : C:\2700\DATA4\423.seq

inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1000.0000 Dilution Factor : 1.00

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PEST-PCB REPORT DB-1701

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A-B DB-1701 30M X 0.53 MM ID 150 C, TO 275 C

=====

| Ret Time [min] | Area [uV-sec] | Height [uV] | BL | Area/NG CAL FACT. | Amount ng/ul | Amount ppb (Wet) | Amount (ppb Dry) | Component Name | Comments NC/CON/<DL |
|-------------------|------------------|----------------|----|----------------------|-----------------|---------------------|---------------------|------------------------|------------------------|
| 6.75 | 7473 | 2004 | BB | 1000000 | 0.0075 | 0.000 | | | |
| 8.07 | 248221 | 64480 | BB | 7158474 | 0.0347 | 0.347 | | TCX 69% | |
| 13.09 | 5527 | 1246 | BB | 1000000 | 0.0055 | 0.000 | | | |
| 23.65 | 46743 | 5146 | BV | 1000000 | 0.0467 | 0.000 | | | |
| 23.97 | 520785 | 96251 | VB | 6073794 | 0.0857 | 0.857 | | DIBUTYLCHLORENDATE 86% | 100 |
| 27.79 | 8307 | 554 | BV | 1000000 | 0.0083 | 0.000 | | | |
| 28.46 | 386218 | 49123 | VB | 9385506 | 0.0412 | 0.412 | | DCB 82% | |
| 1223274 | | 218804 | | | 0.2296 | 1.616 | | | |

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NOT CONFIRMED; CON=CONFIRMED; PREPARED BY. JLS/1405 REVIEWED BY. JLS.

=====

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: PBLK11
CONC. LEVEL: LOW LAB SAMPLE ID: PWB0405B
EXTRACTION DATE: 04/05/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/11/95 % MOISTURE: NA

UG/L

| CMFD # | CAS Number | PCB COMPOUND | |
|--------|------------|--------------|--------|
| 1 | 12674-11-2 | Aroclor-1016 | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | 0.50 U |
| 6 | 11097-69-1 | Aroclor-1254 | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | 0.50 U |

000082

80802CB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL SAMPLE ID: PBLK12
CONC. LEVEL: LOW LAB SAMPLE ID: PSB0406A
EXTRACTION DATE: 04/06/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/11/95 % MOISTURE: NA

| CMPD # | CAS Number | PCB COMPOUND | UG/KG |
|--------|------------|--------------|-------------|
| | | | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 80 U |
| 2 | 11104-28-2 | Aroclor-1221 | 80 U |
| 3 | 11141-16-5 | Aroclor-1232 | 80 U |
| 4 | 53469-21-9 | Aroclor-1242 | 80 U |
| 5 | 12672-29-6 | Aroclor-1248 | 80 U |
| 6 | 11097-69-1 | Aroclor-1254 | 80 U |
| 7 | 11096-82-5 | Aroclor-1260 | 80 U |

000083

8080PCB - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 04/07/95
ANALYSIS DATE: 04/12/95

SAMPLE ID: PBLK13
LAB SAMPLE ID: PSB0407B
DIL FACTOR: 1.00
% MOISTURE: NA

| | | UG/KG | |
|--------|------------|--------------|-------------|
| CMPD # | CAS Number | PCB COMPOUND | (DRY BASIS) |
| 1 | 12674-11-2 | Aroclor-1016 | 80 U |
| 2 | 11104-28-2 | Aroclor-1221 | 80 U |
| 3 | 11141-16-5 | Aroclor-1232 | 80 U |
| 4 | 53469-21-9 | Aroclor-1242 | 80 U |
| 5 | 12672-29-6 | Aroclor-1248 | 80 U |
| 6 | 11097-69-1 | Aroclor-1254 | 80 U |
| 7 | 11096-82-5 | Aroclor-1260 | 80 U |

000084

8080PCS - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PCS ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER SAMPLE ID: PBLK14
CONC. LEVEL: LOW LAB SAMPLE ID: PWB0407B
EXTRACTION DATE: 04/07/95 DIL FACTOR: 1.00
ANALYSIS DATE: 04/12/95 % MOISTURE: NA

UG/L

| CMPD # | CAS Number | PCS COMPOUND | |
|--------|------------|--------------|--------|
| 1 | 12674-11-2 | Aroclor-1016 | 0.50 U |
| 2 | 11104-28-2 | Aroclor-1221 | 0.50 U |
| 3 | 11141-16-5 | Aroclor-1232 | 0.50 U |
| 4 | 53469-21-9 | Aroclor-1242 | 0.50 U |
| 5 | 12672-29-6 | Aroclor-1248 | 0.50 U |
| 6 | 11097-69-1 | Aroclor-12 | 0.50 U |
| 7 | 11096-82-5 | Aroclor-1260 | 0.50 U |

000085

LOGIN # : 23490, 23505

MATRIX : SOIL

| <<<<<<<<<<< PCB >>>>>>>>>>> |

| | SAMPLE ID | TCX % RECOVERY | DBC % RECOVERY | DCB % RECOVERY | SURR. OUT |
|----|-----------|-------------------|-------------------|-------------------|--------------|
| 01 | 1-16-1 | 68 OK | 40 OK | 86 OK | 0 |
| 02 | 1-16-D | 74 OK | 62 OK | 94 OK | 0 |
| 03 | 1-16-2 | 98 OK | 62 OK | 96 OK | 0 |
| 04 | 1-17-1 | 83 OK | 66 OK | 96 OK | 0 |
| 05 | 1-17-2 | 57 * | 113 OK | 81 OK | 1 |
| 06 | 1-18-1 | 97 OK | 74 OK | 100 OK | 0 |
| 07 | 1-18-2 | 84 OK | 49 OK | 76 OK | 0 |
| 08 | 1-20-1 | 55 * | 46 OK | 81 OK | 1 |
| 09 | 1-21-1 | 87 OK | 45 OK | 75 OK | 0 |
| 10 | 1-23-1 | 107 OK | 139 OK | 141 OK | 0 |
| 11 | 1-22-1 | 117 OK | 139 OK | 137 OK | 0 |
| 12 | 1-22-1D | 88 OK | 87 OK | 91 OK | 0 |
| 13 | 1-19-1 | 100 OK | 97 OK | 93 OK | 0 |
| 14 | 1-19-2 | 101 OK | 94 OK | 97 OK | 0 |
| 15 | 1-24-1 | 118 OK | 126 OK | 142 OK | 0 |
| 16 | 1-17-1MS | 63 OK | 69 OK | 99 OK | 0 |
| 17 | 1-17-1MSD | 89 OK | 58 OK | 88 OK | 0 |
| 18 | PBLK12 | 61 OK | 74 OK | 74 OK | 0 |
| 19 | PBLK13 | 91 OK | 58 OK | 102 OK | 0 |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |

| | | | |
|--------------------------|----|---|-----|
| Tetrachloroxylene (TCX) | 60 | - | 150 |
| Dibutylchlorendate (DBC) | 20 | - | 150 |
| Decachlorobiphenyl (DCB) | 60 | - | 150 |

000087

PCB - FORM 3
NYTEST ENVIRONMENTAL INC.

PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 23490, 23505

MATRIX: SOIL

| | COMPOUND | CONC SPIKE | SAMPLE RESULT | CONC | % | CONC | % | RPD | QC LIMITS | |
|-----------|----------|----------------|------------------|------|----------|------|----------|------|-----------|----------|
| | | ADDED (ppb) | | MS | RECOVERY | MSD | RECOVERY | | RPD | RECOVERY |
| SAMPLE ID | | | | | | | | | | |
| 1-17-1 | PCB 1016 | 344 | 0 | 360 | 105 OK | 373 | 108 OK | 4 OK | 23 | 10 - 230 |
| NYTEST ID | | | | | | | | | | |
| 2349005 | PCB 1260 | 344 | 0 | 411 | 119 OK | 438 | 127 OK | 6 OK | 28 | 10 - 195 |
| 2349006 | | | | | | | | | | |

OF PCB % REC OUTSIDE 0 OF 4
ADVISORY QC LIMITS: _____

OF PCB RPD VALUES OUTSIDE 0 OF 2
ADVISORY QC LIMITS: _____

000088

PEST-PCB-HERB 2,4-DCPAA / DBC RT, SEQUENCE SUMMARY

HYTEST ENVIRONMENTAL

CONTRACT: *operational work*

INSTRUMENT ID: *HP613*

GC COLUMN ID: *DIS-1701 253mm*

DATES of ANALYSIS:

6/6/95 TO 4/13/95

| File Name | Sample Name | Sample Number | Date Of Injection | Time Of Injection | Ret. Time | DIBUTYLCHLORIDE |
|---------------------|---------------------|-------------------|--------------------|-------------------|------------------|-----------------|
| B019.rst | AR1660-1 | AR1660-1 | 4/6/95 | 04:34 | 23.98 | |
| B020.rst | AR1660-2 | AR1660-2 | 4/6/95 | 05:19 | 23.99 | |
| B021.rst | AR1660-3 | AR1660-3 | 4/6/95 | 06:03 | 23.98 | |
| 422B022.rst | AR1660-4 | AR1660-4 | 4/6/95 | 06:48 | 23.98 | |
| B024.rst | AR1660-6 | AR1660-6 | 4/6/95 | 08:17 | 23.98 | |
| B025.rst | AR1221-3 | AR1221-3 | 4/6/95 | 09:02 | 23.97 | |
| B026.rst | AR1232-3 | AR1232-3 | 4/6/95 | 09:46 | 23.97 | |
| B027.rst | AR1242-3 | AR1242-3 | 4/6/95 | 10:53 | 23.95 | |
| 422B028.rst | AR1248-3 | AR1248-3 | 4/6/95 | 11:37 | 23.94 | |
| B029.rst | AR1254-3 | AR1254-3 | 4/6/95 | 12:22 | 23.94 | |
| B012.rst | AR 1660-3 | | 4/11/95 | 11:48 | 23.92 | |
| B018.rst | PWB0405B | PBLK11 | 4/11/95 | 20:25 | 23.98 | |
| B019.rst | 2349012 | FLDBK1 | 4/11/95 | 21:09 | 23.98 | |
| 423B020.rst | 2349013 | BQPBK1 | 4/11/95 | 21:54 | 23.98 | |
| B021.rst | PSB0406A | PBLK12 | 4/11/95 | 22:38 | 23.98 | |
| B022.rst | PSB0406A | PBLK12 | 4/11/95 | 23:22 | 23.98 | |
| B025.rst | AR1660-3 | AR1660-3 | 4/12/95 | 01:35 | 23.98 | |
| B026.rst | AR1242-3 | AR1242-3 | 4/12/95 | 02:20 | 23.98 | |
| 423B027.rst | AR1248-3 | AR1248-3 | 4/12/95 | 03:04 | 23.98 | |
| B028.rst | AR1254-3 | AR1254-3 | 4/12/95 | 03:49 | 23.98 | |
| B029.rst | PSB0407B | PBLK13 | 4/12/95 | 04:33 | 23.98 | |
| B030.rst | 2350501 | 1-23-1 | 4/12/95 | 05:18 | 23.98 | |
| B031.rst | 2350502 | 1-22-1 | 4/12/95 | 06:02 | 23.98 | |
| 423B032.rst | 2349001 | 1-16-1 | 4/12/95 | 09:50 | 23.99 | |
| B033.rst | 2350503 | 1-22-1D | 4/12/95 | 10:34 | 23.98 | |
| B034.rst | 2350504 | 1-19-1 | 4/12/95 | 11:19 | 23.98 | |
| B035.rst | 2350505 | 1-19-2 | 4/12/95 | 12:03 | 23.97 | |
| B036.rst | 2350506 | 1-24-1 | 4/12/95 | 12:48 | 23.98 | |
| 423B039.rst | AR1660-3 | AR1660-3 | 4/12/95 | 15:02 | 23.97 | |
| 423B040.rst | PWB0407B | PBLK14 | 4/12/95 | 15:46 | 23.97 | |
| B041.rst | 2350507 | BQPBK2 | 4/12/95 | 16:31 | 23.97 | |
| B042.rst | 2350508 | FLDBK2 | 4/12/95 | 17:16 | 23.97 | |
| B043.rst | 2349002 | 1-16-D | 4/12/95 | 18:00 | 23.96 | |
| B044.rst | 2349003 | 1-16-2 | 4/12/95 | 18:45 | 23.96 | |
| 423B045.rst | 2349004 | 1-17-1 | 4/12/95 | 19:29 | 23.95 | |
| B046.rst | 2349005 | 1-17-1MS | 4/12/95 | 20:14 | 23.95 | |
| B047.rst | 2349006 | 1-17-1MSD | 4/12/95 | 20:58 | 23.96 | |
| B048.rst | 2349007 | 1-17-2 | 4/12/95 | 21:42 | 23.95 | |
| B049.rst | 2349008 | 1-18-1 | 4/12/95 | 22:27 | 23.95 | |
| 423B052.rst | AR1660-3 | AR1660-3 | 4/13/95 | 12:40 | 23.95 | |
| B001.rst | AR 1660-3 | AR 1660-3 | 4/13/95 | 13:25 | 23.97 | |
| B002.rst | 2349009 | 1-18-2 | 4/13/95 | 14:09 | 23.95 | |
| B003.rst | 2349010 | 1-20-1 | 4/13/95 | 15:20 | 23.95 | |
| B004.rst | 2349011 | 1-21-1 | 4/13/95 | 16:05 | 23.94 | |
| 424B014.rst | AR 1660-3 | AR 1660-3 | 4/13/95 | 23:30 | 23.98 | |

Values outside of QC limits (2.0 for packed columns, 0.3% for capillary columns, 1.5% for wide bore capillary.)

000089

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METALS DATA

000001

NYTEST ENVIRONMENTAL INC.

SAMPLE NO.

Lab Name: NYTEST_ENV_INC.

Contract: 9521649

1-16-1

Lab Code: NYTEST

Login No.: 23490

QC Report No.23490

Matrix (soil/water): SOIL_

Level (low/high) : LOW

Percent Solids : 95.0

Lab Sample ID: 349001

Date Received: 04/05/95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

1-16-1

000002

SAMPLE NO.

1-16-D

QC Report No.23490

Lab Sample ID: 349002

Date Received: 04/05/95

Date Received: 04/05/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-16-D

000003

SAMPLE NO.

1-16-2

QC Report No.23490

Lab Sample ID: 349003

Date Received: 04/05/95

Percent Solids : 91.0

000004

SAMPLE NO.

Contract: 9521649

QC Report No.23490

Lab Sample ID: 349004

Date Received: 04/05/95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-17-1

000005

INORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST_ENV_INC._____

Contract: 9521649

1-17-2

Lab Code: NYTEST

Login No.: 23490

QC Report No.23490

Matrix (soil/water): SOIL

Level (low/high) : LOW

Percent Solids : 92.0

Lab Sample ID: 349007

Date Received: 04/05/95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

1-17-2

000006

SAMPLE NC.

1-18-1

QC Report No.23490

Lab Sample ID: 349008

Date Received: 04/05/95

Date Received: 04/05/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-18-1

000007

INORGANICS ANALYSIS DATA SHEET

1-18-2

Contract: 9521649

Login No.: 23490

QC Report No.23490

Lab Sample ID: 349009

Date Received: 04/05/95

Percent Solids : 92.0

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.
ments:

1-18-2

000008

SAMPLE NO.

1-20-1

QC Report No.23490

Lab Sample ID: 349010

Date Received: 04/05/95

Date Received: 04/05/95

INDEX :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

1-20-1

000009

INORGANICS ANALYSIS DATA SHEET

1-21-1

Contract: 9521649

Login No.: 23490_

QC Report No.23490

Lab Sample ID: 349011

Date Received: 04/05/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-21-1

000010

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Sub Name: NYTEST ENV INC.

Contract: 9521649

FLDBK1

Lab Code: NYTEST

Login No.: 23490

QC Report No.23490

Matrix (soil/water): WATER

Lab Sample ID: 349012

Level (low/high) : LOW

Date Received: 04/05/95

Percent Solids : 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

DES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

FLDBK1

000011

INORGANICS ANALYSIS DATA SHEET

EQPBK1

Contract: 9521649

Login No.: 23490_

QC Report No.23490

Lab Sample ID: 349013

Date Received: 04/05/95

Percent Solids : 0.0

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.
ments:

EQPBK1

000012

000013

SAMPLE NO.

1-22-1

QC Report No.23505

Date Received: 04/06/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.
ments:

1-22-1

000014

SAMPLE NO.

1-22-1D

QC Report No.23505

Lab Sample ID: 350503

Date Received: 04/06/95

Date Received: 04/06/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-22-1D

000015

INORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST_ENV_INC.

Contract: 9521649

1-19-1

Lab Code: NYTEST

Login No.: 23505

QC Report No.23505

matrix (soil/water): SOIL_

Lab Sample ID: 350504

Level (low/high) : LOW

Date Received: 04/06/95

Percent Solids : 95.0

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

1-19-1

000016

SAMPLE NO.

1-19-2

QC Report No.23505

Lab Sample ID: 350505

Date Received: 04/06/95

Date Received: 04/06/95

[illegible]

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

1-19-2

000017

INORGANICS ANALYSIS DATA SHEET

Lab Name: NYTEST_ENV_INC._____

Contract: 9521649

1-24-1

Lab Code: NYTEST

Login No.: 23505_

QC Report No.23505

matrix (soil/water): SOIL_

Level (low/high) : LOW

Percent Solids : 96.0

Lab Sample ID: 350506

Date Received: 04/06/95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.
ments:

Comments:

1-24-1

000018

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Contract: 9521649

EQPBK2

Login No.: 23505

QC Report No.23505

Lab Sample ID: 350507

Date Received: 04/06/95

Percent Solids : 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

EQPBK2

009019

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Contract: 9521649

FLDBK2

QC Report No.23505

Lab Sample ID: 350508

Date Received: 04/06/95

Percent Solids : 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was
not detected in this sample; "B" = Sample value greater than Instrument
Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

FLDBK2

000020

ANALYTICAL AND METHOD BLANK SUMMARY

Contract: 9521649

Login No.: 23505

QC Report No.: 23505

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

[illegible]

NEI FORM 5 - (1/94)

000021

ANALYTICAL AND METHOD BLANK SUMMARY

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

000022

ANALYTICAL AND METHOD BLANK SUMMARY

Contract: 9521649

QC Report No.: 23490__

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

[illegible]

000023

NYTEST ENVIRONMENTAL INC.

ANALYTICAL AND METHOD BLANK SUMMARY

Lab Name: NYTEST_ENV_INC._____

Contract: 9521649

Lab Code: NYTEST Login No.: 23490

QC Report No.: 23490

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

[illegible]

NR = Analyte Not Requested

MATRIX SPIKE RECOVERY DATA SHEET

1-17-1MSD

Contract: 9521649

Login No.: 23490_

QC Report No. : 23490

Level (low/med): LOW

Solids for Sample: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Comments:

1-17-1MSD

NR : Analyte Not Required

NYTEST ENVIRONMENTAL INC.

DUPLICATES

SAMPLE NO.

Lab Name: NYTEST_ENV_INC. _____

Contract: 9521649

1-17-1MS

Lab Code: NYTEST Login No.: 23490

QC Report No. : 23490

Matrix (soil/water): SOIL_

Level (low/med): LOW

% Solids for Sample: 97.0

% Solids for Duplicate: 94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

NR : Analyte Not Requested